# A Complete Bibliography of Publications in the *Journal of Open Source Software*

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## Title word cross-reference

1 [Hug18]. 3 [Har17a, Hir18, MPFRA17, OGBC18]. $^3$ [Rei18].

**-D** [Hir18].

**11** [Ano18a]. **14** [MB17b].

**2.0** [GGKG16].

**3** [CEL+18, Fas18, HB16].

**abundance** [BG18]. **Access** [Ode18, VB16, Raa16]. **ACE** [VHM17]. **ACEInhibPKPD** [VHM17]. **acronym** [WHLM17]. **Active** [CHG+16, Hon16]. **Active-subspaces** [CHG+16]. **add** [Moe18]. **add-On** [Moe18]. **adding** [BG18]. **adjoint** [RFF+17]. **adjoint-enabled** [RFF+17]. **ADS** [GV17]. **Advanced** [Cuc16, RS17a]. **aerosol** [TCR18]. **aesop** [MDW18]. **against** [PTK16]. **agent** [VCD18, Den18]. **agent-based** [VCD18]. **agnostic** [SM18]. **AIR** [VRT16]. **aka** [BC16]. **algebra** [SC16]. **algebraic** [JCS17]. **Algorithm** [Fro16, Kea17, Por18, SS18, Tau16]. **Algorithms** [How18, BGR17, VBM+18]. **alignments** [CR17]. **allow** [BM18]. **Alphasense** [HTT18]. **America** [MB18]. **AmgX** [CB17]. **AmgXWrapper** [CB17]. **Analyse** [Kle18]. **Analyses** [HP17, BWB+17, Spi18]. **Analysis** [BMR+16, CH17b, DC17, Gov18, HU17,

ISMA18, JL16, OZW18, RS17a, RMF18, SR16, YS18, CN17, Cuc16, GJS18, Gri17, Hug18, Mäk16, NMGB17, OCT+17, RRD+18, SVM+17, SM18, SAC+17, TPAP18, WWDS18, WPK+18, Wil18a, WD18, And18b, CH17a]. **analytical** [Ren17]. **analyze** [BMOF17, MB17a]. **analyzing** [HFF+17]. **AncesTrim** [NSL17]. **animal** [MG18a]. **Animation** [LGH+18, vdH18]. **annotated** [PST+16]. **anodes** [HF16]. **anomaly** [All18]. **anonymization** [KM17b]. **Anscombe** [Har17b]. **anywhere** [TPAP18]. **API** [Bal16, BG17, Gin18, Smi17]. **App** [BSHG16, VHM17]. **Application** [YS18, ZKM+16, GVM18]. **Applications** [ZKM+16, And18a, CMKB18, LBČ17]. **Approximate** [FV18]. **Approximation** [MHSG18]. **approxposterior** [FV18]. **ARC** [MDW18]. **architectures** [CMKB18]. **Arctic** [Hop17]. **Armadillo** [SC16]. **Aronnax** [DR18]. **array** [Fas18, Lat17]. **array_split** [Lat17]. **arrgh** [Kor18]. **Artificial** [How17]. **artists** [Har17a]. **assembled** [TSH18]. **assemblies** [PTK16, PST+16]. **assembly** [APT+18]. **Assertive** [Tho18]. **Assessment** [Joy17, Mut17a, Mut17b]. **associated** [Zek18]. **Astronomical** [WHLM17, HJPB17]. **astrovisualization** [BAB+17]. **atmospheres** [dVBCMC17]. **atmospheric** [IESdF18, TCR18]. **ATNF** [Pit18]. **Augmentation** [BSH17]. **Augmentor** [BSH17]. **Australian** [SPPP17]. **automated** [ML16, TCR18, War16]. **Automatic** [GV17, WHLM17, FI18, Tan18]. **Automation** [OZW18]. **autoplotly** [Tan18]. **Avoid** [Att16]. **aware** [CR17, Gri17].

**B** [MPFRA17]. **B-mode** [MPFRA17]. **BAMnostic** [SM18]. **Bank** [Van18]. **Based** [ABGF17, BSHG16, Moe18, RMF18, BBM18, DDG17, HJC+18, Ira18, Kea17, KM17b, KMB17, LH18, MHA17, RS17b, Rei18, SC16, SAB+16, SB17, VCD18]. **basic** [Mor17a]. **Basis** [DTR18a]. **batch** [LBS17]. **batchtools** [LBS17]. **Bathymetric** [Hop17]. **BATMAN** [RRD+18]. **Bayesian** [Gov18, JG17, TSS16]. **BayesianNetwork** [Gov18]. **beautiful** [BC16]. **BeeNestABM** [VCD18]. **Behavioral** [SD18]. **benthic** [Che18]. **Best** [Sco17]. **between** [CB17, DOS17, Sta17]. **Bézier** [Her17]. **BibLaTeX** [McL17]. **bibliography** [GV17]. **BibTeX** [McL17]. **bikedata** [PE17]. **BIL** [BM18]. **Billiard** [Dat17]. **Binary** [Boi18, Lar18]. **Bioengineering** [Moe18]. **bíogo** [KPA17, KA17, KSMA17]. **bíogo/hts** [KPA17]. **bíogo/ncbi** [KA17]. **bioinformatics** [KSMA17]. **biological** [SAC+17]. **Biomarker** [HCH17]. **Biomolecular** [HHSP17, CCFB16]. **BioPandas** [Ras17]. **biotmle** [HCH17]. **Bitstream** [Boi18]. **bittrex** [Kan17]. **blast** [PTK16]. **body** [Gra18]. **bomrang** [SPPP17]. **bor** [SD18]. **both** [HB16]. **Boundaries** [MB18]. **Boundary** [CFCB17, CCFB16, CMKB18, KMB17]. **Boundary-integral** [CFCB17]. **box** [TCR18]. **box-model** [TCR18]. **Brazilian** [Ale17]. **Brief** [FM18]. **Brightway** [Mut17a]. **Broadening** [JGR+18]. **browse** [BBM18]. **Bruker** [FSV+17]. **Bruker2nifti** [FSV+17]. **bsym** [Mor17a]. **build** [Soc18b]. **building** [HHV17, LBČ17, ML16, VBM+18]. **built** [KPV+17]. **Bumblebees** [How17, VCD18]. **Bureau** [SPPP17].

**C** [Ano18a, BM18, MB17b, ODP18, SC16, SC17, SBL+17, Smi18]. **C#** [Lau17]. **caching** [SNR18]. **Calculate** [FN17, HF16, TSS16]. **calculating** [Gre16]. **Calculation** [Wag18, MR18b]. **Calculations** [OZW18, GJS18, Gra18]. **Calliope** [PP18]. **camel** [Toc18]. **Canada** [LA18]. **Canadian** [Alb17]. **cancer** [OCT+17]. **Capture** [Wil18b, MG18a].

**capture-recapture** [MG18a]. **Carbohydrate** [Hon16]. **Carbohydrate-Active** [Hon16]. **Cardiac** [Ira18, RFF+17]. **care** [SPSH+17]. **carl** [LCP16]. **Carlo** [Gas18b, Mor17b]. **cartography** [GL16]. **cartopy** [Hop17]. **catalogue** [Pit18]. **categorical** [MSSH18]. **Category** [MSSH18]. **CAZy** [Hon16]. **CAZy-parser** [Hon16]. **cbcbeat** [RFF+17]. **Cell** [HAHR18]. **census** [Smi17]. **centers** [HJC+18]. **central** [SS18]. **ChainConsumer** [Hin16]. **Change** [LA18]. **chaos** [Dat18]. **Chart** [Hop17]. **Charts** [Anh18]. **ChebTools** [Ano18a]. **Chebyshev** [Ano18a]. **CheckQC** [ÅBD18]. **checkr** [Tho18]. **chemicals** [GVM18]. **chemistry** [Dah18a, TCR18]. **ChemPy** [Dah18a]. **CheSweet** [GVM18]. **chloroExtractor** [APT+18]. **chloroplast** [APT+18]. **chronovise** [RMF18]. **Cine** [dVBCMC17]. **CircleCI** [Soc18b]. **CL** [Spa17]. **class** [RS17b]. **classes** [SC17]. **classification** [Sta17, TSH18]. **client** [CH17a, HJC+18, Kan17, Lig17]. **Climate** [HCM+18, LA18, GWM18, Ros18, WHG17]. **Climatology** [Spa17]. **ClimDown** [HCM+18]. **CLIMLAB** [Ros18]. **CLIP** [ABVF18]. **CLOOPSy** [DDG17]. **cloud** [NEGZG18]. **cluster** [HHV17]. **Clustering** [Van16, MHA17]. **Coalition** [BB18]. **coalitions** [BB18]. **Cobbler** [War16]. **coco** [Sta17]. **code** [Huc18b, KMB17, WZ18]. **CodeMeta** [Boe17b]. **codes** [ABEY18, RRD+18]. **Coding** [NSB17]. **cold** [SS18]. **cold-spells** [SS18]. **Collation** [Tau16]. **collected** [MG18a]. **Collection** [BSHG16, ML16]. **collocation** [MvdB18]. **Combinator** [Siu17]. **Combining** [Wil18b]. **cometary** [dVBCMC17]. **Command** [GJS18, Soc18c]. **Command-line** [GJS18]. **Commission** [Lee16]. **comorbidity** [Gas18a, Gas18a]. **Comparison** [vH17b, FR18]. **complete** [TPAP18]. **complex** [NSL17, SK17]. **ComPlot** [vH17b]. **Comprehensive** [DC17]. **Computation** [AB17, ABGF17]. **Computational** [SP17, RFF+17]. **computations** [NS18]. **compute** [dB18]. **computer** [RRD+18]. **Computing** [WCP18, Cár17b, Gas18a, Lan18, Ras18, WWDS18, WFA+17]. **Concurrent** [Gol16]. **Conditional** [Sco17]. **Confidence** [PRH17]. **configuration** [Raa16]. **confusion** [HJHZ18]. **Confusograms** [BC16]. **Connectivity** [RS17a]. **consensus** [CR17]. **Consistent** [MBK+18]. **containerized** [HHV17]. **Containers** [Soc18a]. **Containershare** [Soc18b]. **Contemporary** [MB18]. **context** [BGR17, Wak16b]. **contigs** [PHSK17]. **continuous** [WPK+18]. **contraction** [SG18]. **contrib** [MSSH18]. **contribute** [BBM18]. **control** [ÅBD18, CMEM+17, JA16, MB17b, ODP18]. **conversion** [MPFRA17, McF16]. **conversions** [Hir18]. **convert** [ABEY18, GZT+18]. **converter** [FSV+17, Sta17]. **converting** [Sta17]. **Convex** [YK17]. **Convolutional** [Mor17c]. **coordinate** [Hir18]. **Copernicus** [DDG17]. **CoreRobotics** [ODP18]. **corner.py** [FM16]. **Correlation** [ALB+16, MR18b]. **correspondence** [RS17b]. **cottoncandy** [NEGZG18]. **country** [ABEY18, Sta17]. **countrycode** [ABEY18]. **covariance** [BC16]. **cOver** [DDG17]. **Crawford** [BF17]. **Create** [GL16, OGBC18]. **Creating** [MD17, Joy17, Mur18]. **Creation** [GGKG16]. **Criteria** [Bos17]. **Critical** [SPSH+17]. **Cross** [CH18, ODP18]. **cross-language** [ODP18]. **cross-platform** [ODP18]. **Cross-Validation** [CH18]. **crOwdsourcing** [DDG17]. **CRU** [Spa17]. **Crypto** [Kan17]. **Crypto-Currency** [Kan17]. **CSS** [LeB18a]. **CTL** [ALB+16]. **cuIBM** [KMB17]. **Currency** [Kan17]. **curve** [BF17]. **Curves** [Her17]. **Cycle** [Joy17, Mut17a, Mut17b]. **cycles** [Hug18]. **Cycling** [OSS18]. **Cylc** [OSS18].

**D** [Har17a, Hir18, Hug18, MPFRA17, OGBC18]. **DAE** [MKT+18]. **Daily** [SHN17]. **DART** [LGH+18]. **Data** [Alb17, BSHG16, Boi18, CCAM18, DC17, GHF+17, HHSP17, Hug16, JL16, KMG+17, Kle18, Lee16, LIK18, Lüd18a, Lüd18b, Ode18, PC18, SR16, SD18, SPPP17, SHN17, Tie17, VB16, Van18, Vit17, Wro18, APT+18, Bil18, CN17, Dir18, FM18, Gin18, GZT+18, Har17b, HFF+17, JA16, LA18, MB17a, MG18a, MSSH18, MZ18, NMGB17, Ras18, RC18, SPSH+17, Smi17, WWDS18, WPK+18, Zek18]. **Data-Efficient** [CCAM18]. **Database** [Hon16, FI18, VRT16]. **databases** [GV17]. **DataFrames** [Ras17]. **dataset** [RS17b]. **datasets** [HJPB17]. **datastructures** [Dir18]. **Decomposition** [DTR18b]. **Deep** [Arn17, DC17, Fay17]. **defined** [Dah18b]. **defining** [RS17b]. **Deflagrations** [HH16]. **DEFRA** [VRT16]. **degree** [Lev16]. **democracies** [BB18]. **Density** [LIK18, JNM18, MHA17, Woj17]. **deploy** [Soc18b]. **Design** [MH18]. **detection** [All18, Ano18b, Mor17c, SS18]. **Detonations** [HH16]. **different** [Sta17]. **differential** [Kar18]. **Dimensional** [Hon17, Lat17]. **dimensionality** [Mad16]. **dimensions** [Dat17]. **direct** [MvdB18]. **Directory** [Att16]. **Discovery** [HCH17, Vit17]. **Discrete** [And18a, JEC18, vdH18]. **disease** [TR17]. **Display** [Hug16]. **dissertation** [Ale17]. **Distance** [Dro18]. **distributed** [CMKB18, SNR18]. **distributed-memory** [CMKB18]. **distribution** [VCD18]. **Distributions** [FV18]. **dit** [JEC18]. **Django** [HDL17]. **dms2dfe** [DC17]. **DNA** [BI16, War16]. **Document** [GGKG16]. **Documents** [LeB18a]. **DoSOCS** [GGKG16]. **Download** [LA18, vH17a]. **Downloading** [PC18]. **Downscaling** [HCM+18]. **draft** [War16]. **drake** [Lan18]. **draw** [RC18]. **DSL** [Bal16]. **dust** [Gre18]. **dustmaps** [Gre18]. **Dynamic** [CM17, DTR18b, LGH+18, BG18, CM18]. **dynamical** [Mar17, Dat17]. **DynamicalBilliards.jl** [Dat17]. **DynamicalSystems.jl** [Dat18]. **Dynamics** [HHSP17, HP17, Dat18, PW17, dB18].

**ease** [TPAP18]. **easier** [CN17]. **easy** [Dat17, Har17a, NEGZG18, RRD+18, vH17a, DTR18a]. **easy-to-use** [Dat17, Har17a]. **Eating** [FN17]. **Echelle** [MDW18]. **Eclipse** [PLL+16]. **ECNet** [KM17a]. **ecology** [Che18]. **Ecopath** [Kea17]. **ecopath_matlab** [Kea17]. **EDA** [KPV+17]. **EDAM** [BBM18]. **edarf** [JL16]. **Education** [BA18]. **EFAshiny** [YS18]. **efd** [Gri17]. **effective** [Wha18, SP17]. **Effective-Quadratures** [SP17]. **Effects** [Lüd18a]. **Efficient** [CCAM18, Mak18, McF16]. **effmass** [Wha18]. **EggNOG** [FI18]. **egtplot** [MWS18]. **einsum** [SG18]. **einsum-like** [SG18]. **eixport** [IESdF18]. **eLabFTW** [CMP17]. **Elastic** [GHF+17]. **Electrograms** [RGZ+18]. **electron** [Woj17]. **Electrophysiology** [Ira18, RFF+17]. **electrostatics** [CFCB17, CCFB16]. **Elegant** [Inn18]. **Elektra** [Raa16]. **element** [LH18]. **Elements** [Spa17, CCFB16, TSH18]. **elliptical** [Gri17]. **emass** [Por18]. **embedding** [GF18]. **EMBL** [PST+16]. **emissions** [IESdF18]. **Empirical** [CM17]. **ENA** [BG17]. **enabled** [RFF+17]. **ENASearch** [BG17]. **Encoders** [MSSH18]. **encoding** [MSSH18]. **Encounter** [Car17a]. **EndoMineR** [Zek18]. **endoscopic** [Zek18]. **Energy** [BWB+17, HHM18, PP18]. **Engine** [OSS18, SB17]. **Engineering** [SP17]. **enhanced** [ABVF18]. **ensemble** [VWDB16]. **Ensight4Matlab** [SBL+17]. **EnSight(R)** [SBL+17]. **ensuring** [RS17b]. **entity** [KM17b]. **entity-based** [KM17b]. **ENVI** [BM18]. **ENVI-BIL** [BM18]. **Environment** [LA18]. **environments**

[HHV17, Hir18]. **enZYmes** [Hon16]. **EQ** [SP17]. **equation** [Kar18]. **equations** [Dah18b, DDJ+17, WZ18]. **Equivalent** [MH18]. **Errors** [AB17]. **estimate** [Zag18]. **estimates** [Lev16, SR18]. **Estimation** [Rov17, DRS16, JNM18]. **Euclidean** [Van16]. **evaluate** [vH17b]. **evaluating** [ML16]. **evaluator** [Huc18a]. **Event** [Hal17, NSB17, vdH18]. **Evolutionary** [MWS18]. **Exchange** [Lee16, Kan17]. **excitation** [dVBCMC17]. **Exclusion** [Fin18]. **executing** [WFA+17]. **execution** [Spi18, SB17]. **Exoplanet** [Ano18b]. **expansions** [Ano18a]. **Expectation** [SC17]. **Expectation-Maximisation** [SC17]. **expensive** [RRD+18]. **Experiment** [Soc18a]. **Experimental** [RGZ+18]. **Experiments** [MD17, ABVF18]. **Exploratory** [YS18, CN17, JL16]. **Explore** [Spa17]. **Exponential** [Wro18, Lev16]. **export** [IESdF18]. **expression** [Har17b]. **expressions** [SG18]. **extendable** [Dat17]. **extension** [MPFRA17]. **extensions** [Ras18]. **Extract** [Alb17, Hon16]. **Extraction** [RS17a, APT+18, Zek18]. **Extractor** [Bar16]. **Extraordinarily** [Did17]. **ezknitr** [Att16]. **EZyRB** [DTR18a].

**f** [Rei18]. **facilitating** [Spi18]. **Factor** [YS18]. **Factory** [Soc18a]. **Fall** [MH18]. **Family** [Wro18]. **Fast** [AEAP18, BS16, MBK+18, NS18, PHSK17, CEL+18]. **Feature** [RS17a, Mad16]. **Fetch** [SPPP17]. **Feynman** [Fro18]. **fgivenx** [Han18]. **fib** [Ira18]. **fib-tf** [Ira18]. **Fiducialized** [RGZ+18]. **field** [DRS16]. **fields** [Mur18]. **file** [Did17, Lar18, NPP17]. **Files** [EW16, LeB18b, Huc18b, SVM+17, SBL+17]. **filesstrings** [NPP17]. **fill** [GV17]. **filltex** [GV17]. **filtering** [BG18]. **Financial** [Lee16]. **Finch** [BG18]. **finishing** [War16]. **finite** [LH18]. **finreportr** [Lee16]. **firm** [BMOF17]. **Fitting** [Gol16, MG18a]. **Flexible** [CCAM18, GHF+17, CEL+18, Por18]. **Flow** [DDJ+17]. **fluorescence** [dVBCMC17]. **flusight** [TR17]. **Flux** [Inn18]. **FNFT** [WCP18]. **focused** [Woj17]. **food** [Kea17]. **forecasts** [TR17]. **foreground** [Joy17]. **forensic** [And18a]. **Forest** [BGR17]. **Forests** [PRH17, JL16]. **format** [Fas18, FSV+17, LA18, SBL+17]. **Formatting** [LeB18a]. **Fourier** [Gri17, WCP18]. **Frames** [Lüd18a, Tie17]. **Framework** [CH18, Den18, GHF+17, RGZ+18, BAB+17, Che18, CMEM+17, HHV17, Mar17, Mut17a, OCT+17, PP18, Raa16, RMF18, RFF+17, SAB+16, Som17, Tay18]. **framwork** [Rei18]. **free** [HFF+17, LCP16, MG18a, PHSK17]. **free-ranging** [MG18a]. **FRIEDA** [GHF+17]. **Friendly** [YS18]. **friends** [OGBC18]. **fuel** [KM17a]. **Full** [DDJ+17, Hal17]. **FullSWOF** [DDJ+17]. **fully** [Joy17]. **Function** [Rov17]. **Functional** [Gol16, Wro18, Han18]. **Functions** [CN17, Lüd18b, BF17, May17, MR18b, WPK+18]. **fuse** [VWDB16]. **fuzzy** [TSS16].

**G** [Rei18]. **Gala** [PW17]. **galactic** [PW17]. **Galore** [JGR+18]. **Games** [MWS18]. **Gamma** [MG18a]. **Gas** [Mor17b]. **Gaussian** [CCAM18, SC17]. **gem** [BGR17, GF18]. **gene** [AEAP18, Har17b]. **GeneNetwork** [SAB+16]. **General** [Lar18, Kar18]. **Generalized** [CH18]. **generated** [HF16]. **Generating** [Boe17b, ZKM+16, OCT+17]. **generation** [MPFRA17, Tan18]. **Generator** [Bos18, TCR18, WZ18, Hag17]. **generators** [Lau17]. **generic** [CMEM+17]. **genetics** [And18a, SAB+16]. **geneXplain** [SKW17]. **geneXplainR** [SKW17]. **Genome** [TSH18, APT+18, OCT+17, War18]. **Genome-wide** [TSH18]. **genomepy** [vH17a]. **genomes** [War16, vH17a]. **Genomic** [Hic16, BGR17, BG18, SM18].

**Genotify** [AEAP18]. **genotype** [ALB+16]. **Geocoding** [Hal17]. **geometrically** [Lev16]. **geometrically-weighted** [Lev16]. **Geometry** [Moe18]. **Geoparsing** [Hal17]. **geospace** [Hir18]. **Geospatial** [CH17a]. **geostatistics** [Hof18]. **GeoStats.jl** [Hof18]. **getCRUCLdata** [Spa17]. **GFF3toEMBL** [PST+16]. **ggeffects** [Lüd18a]. **Giant** [BC16]. **GIBBON** [Moe18]. **Gillespie.jl** [Fro16]. **GIS** [Cuc16, Mut17b]. **Git** [JA16]. **Git-RDM** [JA16]. **Global** [SHN17, Rei18]. **glycan** [GVM18]. **gmm_diag** [SC17]. **gmm_full** [SC17]. **Go** [BWB+17, KPA17, KA17, KSMA17, Kor18]. **Go-HEP** [BWB+17]. **Gold** [MG18b, SBL+17]. **Golo** [PLL+16]. **Gompertz** [MG18a]. **good** [HB16]. **Government** [SPPP17]. **GPU** [CFCB17, KMB17]. **GPU-based** [KMB17]. **GPUs** [CCFB16]. **gradient** [Rei18]. **gradient-based** [Rei18]. **Grafoscopio** [Cár17b]. **Gramm** [Mor18]. **grammar** [Mor18]. **Graph** [Bos18, Hag17, Boe17a, GF18, Lev16]. **graph-theoretic** [Boe17a]. **grapherator** [Bos18]. **graphical** [KPV+17]. **graphics** [Mor18]. **graphs** [Wak16a]. **gravitational** [WPK+18]. **gravitational-wave** [WPK+18]. **Greek** [Van18]. **groundwater** [Rei18]. **GSODR** [SHN17]. **GWAS** [Tur18]. **gwdegree** [Lev16].

**h5preserve** [Toc18]. **h5py** [Toc18]. **Habfuzz** [TSS16]. **habitat** [TSS16]. **Handle** [GZT+18]. **handling** [Did17, KPA17]. **hdbscan** [MHA17]. **hddtools** [Vit17]. **Healthy** [FN17]. **heatmaps** [SK17]. **heatwaveR** [SS18]. **heatwaves** [SS18]. **Hebbian** [MS16]. **hebbRNN** [MS16]. **Hector** [WHG17]. **HEI** [FN17, FN17]. **Height** [MH18]. **Helper** [Her17, Soc18c]. **HelpMe** [Soc18c]. **HEP** [BWB+17]. **Herfindahl** [Wag18]. **hhi** [Wag18]. **Hierarchical** [MHA17]. **High** [BWB+17, CCAM18, Hof18, Hon17, KPA17, KSMA17, Lan18, MKT+18, WFA+17]. **High-Dimensional** [Hon17]. **High-performance** [CCAM18, Hof18, KSMA17, Lan18]. **Higher** [Her17]. **highlightHTML** [LeB18a]. **Hirschman** [Wag18]. **Histogram** [RS17a]. **Histogram-weighted** [RS17a]. **Historical** [MB18]. **Hits** [Sco17]. **hmis** [MB17a]. **homology** [WWDS18]. **HPC** [HJC+18]. **HSImage** [BM18]. **htmlwidget** [Coe18]. **hts** [KPA17]. **humanleague** [Smi18]. **Humans** [Boi18]. **hydraulic** [Ren17, TSS16]. **Hydrological** [Van18, VWDB16, Vit17]. **Hydrometric** [Alb17]. **hydroscoper** [Van18]. **Hyperparameter** [MHH+16]. **hyperspectral** [BM18]. **HyPhy** [Spi18]. **Hytool** [Ren17].

**I/O** [NPP18]. **IBCAO_py** [Hop17]. **idealised** [DR18]. **identification** [MvdB18, TSH18]. **identifiers** [Huc18b]. **IDESolver** [Kar18]. **iheatmapr** [SK17]. **ijtiff** [NPP18]. **Illumina** [ÅBD18]. **Image** [BSH17, Moe18]. **Image-Based** [Moe18]. **ImageJ** [NPP18]. **Images** [FSV+17, ISMA18, Soc17, WHLM17, BM18, Mor17c]. **Imaging** [Woo18, ZB17, MPFRA17]. **ImagingReso** [ZB17]. **iml** [MCB18]. **immersed** [CMKB18, KMB17]. **immersed-boundary** [CMKB18]. **implement** [BGR17]. **Implementation** [Fro18, BF17, Gri17, Kea17, Lig17, Por18, Sco17, Tau16]. **implementing** [BMOF17]. **Import** [Kle18, McL17]. **improved** [Sco17]. **Improvement** [Anh18]. **Improving** [Lev16]. **including** [Den18, SR18]. **indel** [CR17]. **indel-aware** [CR17]. **independent** [FR18]. **Index** [FN17, Wag18]. **Inelastic** [LIK18]. **infectious** [TR17]. **inference** [ALB+16, LCP16, TSS16]. **inflationary** [MR18b]. **Information** [Dro18, HP17, Gra18, Hon16, JEC18, LBČ17, Van18].

**Information-Theoretic** [HP17]. **infrared** [dVBCMC17]. **Infrastructure** [Den18, ZKM+16]. **inhibition** [VHM17]. **initio** [GJS18]. **INSPIRE** [GV17]. **inspired** [Toc18, VBM+18]. **instream** [TSS16]. **instrumental** [Zag18]. **integral** [CFCB17]. **Integrate** [GL16]. **integrated** [Mäk16]. **integration** [Dah18c]. **Integrator** [Hon17]. **integrity** [RS17b]. **integro** [Kar18]. **integro-differential** [Kar18]. **Intelligent** [GHF+17]. **Interact** [VRT16]. **interacting** [BG17]. **interaction** [BM18]. **Interactive** [Gov18, SK17, Joy17, OCT+17, Ros18, Som17, Tan18, TR17, Wak16a]. **Interface** [Arn17, CB17, Coe18, DOS17, Gre18, HJPB17, Kor18, MKT+18, Pit18, PWFM17, SKW17, Van18, WZ18, WHG17]. **interfaces** [KA17, Smi17, Smi18]. **interferometeric** [HJPB17]. **Intermittently** [RGZ+18]. **International** [Hop17]. **interoperable** [LBČ17]. **Interpretable** [MCB18]. **interpretation** [Lev16, Ren17]. **interstellar** [Gre18]. **Intervals** [PRH17]. **Intro.js** [Gan16]. **Introducing** [KM17b]. **IP** [KPV+17]. **IP-XACT** [KPV+17]. **isopycnal** [DR18]. **isotropic** [Mur18]. **iterative** [BHA18]. **ivporbit** [Zag18].

**Java** [Den18]. **Javascript** [CH17a, Por18]. **js** [Por18]. **js-emass** [Por18]. **jstor** [Kle18]. **Julia** [BH18, Dat17, Dat18, Fro16, Hof18, Inn18, Lau17, MR18a, Pas17]. **Jump** [MH18].

**Kactus2** [KPV+17]. **Keras** [Arn17]. **kerasR** [Arn17]. **kernel** [JNM18]. **key** [RS17b]. **key-based** [RS17b]. **khmer** [SAC+17]. **kima** [Ano18b]. **Kindel** [CR17]. **knitr** [Att16]. **Kraljic** [BMOF17]. **KraljicMatrix** [BMOF17].

**laboratory** [CMP17]. **Labour** [Ode18]. **labs** [CMP17]. **Land** [DDG17]. **landscapes** [Cuc16]. **Language** [MBK+18, JCS17, KPA17, KA17, KSMA17, Mäk16, ODP18]. **languages** [Mäk16]. **Laplace** [And18a]. **Large** [KM17a, SNR18]. **large-scale** [SNR18]. **LAST** [Sco17]. **LaTex** [GV17]. **Lattice** [Mor17b]. **Lattice-Gas** [Mor17b]. **lattice_mc** [Mor17b]. **Launcher** [WFA+17]. **lawn** [CH17a]. **Layer** [Den18]. **LCA** [Joy17, CM18]. **Lcopt** [Joy17]. **learn** [MSSH18]. **Learning** [Arn17, BSH17, Fay17, HCH17, MHH+16, MS16, MCB18, BF17, CEL+18, Inn18, KM17a, RS17b, Ras18]. **learningCurve** [BF17]. **LearnSAT** [BA18]. **level** [MKT+18]. **libqcpp** [MB17b]. **libraries** [BWB+17]. **Library** [BSH17, CH17a, CHG+16, CCAM18, Fay17, Gan16, ISMA18, Tor18, WCP18, Bar16, BG17, BI16, BM18, CB17, Coe18, CEL+18, Dat18, Gre16, HJHZ18, HU17, HB16, Hop17, LBČ17, May17, MB17b, ODP18, RC18, SC16, SH17, WPK+18, Arn17]. **Life** [How17, Joy17, Mut17a, Mut17b]. **light** [SB17]. **Lightweight** [Fay17, AEAP18]. **like** [SG18]. **likelihood** [LCP16]. **likelihood-free** [LCP16]. **Limarka** [Ale17]. **Limbo** [CCAM18]. **Line** [Soc18c, dVBCMC17, GJS18]. **Lineage** [And18b]. **Linear** [Gol16, Dah18b, SC16]. **lists** [WD18]. **literate** [Cár17b]. **Loci** [ALB+16]. **log** [JNM18]. **log-transformed** [JNM18]. **logic** [TSS16]. **logKDE** [JNM18]. **long** [War16]. **lookup** [AEAP18]. **LSPR** [CFCB17].

**M** [Rei18]. **M-f** [Rei18]. **M2M** [MG18b]. **Machine** [BSH17, MHH+16, MCB18, CEL+18, Inn18, KM17a, RS17b, Ras18]. **macromolecular** [Woj17]. **made** [RRD+18]. **MAGICC** [GWM18]. **Magnetic** [FSV+17]. **maintaining** [RS17b]. **making** [Ale17, CN17]. **malan** [And18b]. **MAle** [And18b]. **Manage** [McL17, RC18]. **Management** [GHF+17, JA16]. **Manhattan** [Tur18]. **Manifold** [MHSG18]. **Manipulate** [You18, GZT+18].

**Manipulation** [Hic16, NPP17]. **Manuscripts** [PC18]. **many** [Gra18]. **many-body** [Gra18]. **Mapelia** [OGBC18]. **mapped** [Fas18]. **Mapping** [Wak16b, ALB+16, DDG17]. **Maps** [GL16, Gre18, OGBC18]. **Marginal** [Lüd18a]. **Markdown** [Ale17, LeB18a]. **Market** [Ode18]. **Masks2Metrics** [MG18b]. **mass** [Wha18]. **MassMine** [VB16]. **Matching** [KB18]. **MatchPy** [KB18]. **MatDL** [Fay17]. **mathematical** [JCS17, MR18a]. **MATLAB** [FR18, Fay17, Ren17, VHM17, Kea17, MG18b, Mor18]. **Matlab-based** [Kea17]. **MATLAB/Octave** [FR18]. **MATLAB(R)** [SBL+17]. **matplotlib** [Hop17, RC18]. **Matrices** [SD18, FM16]. **matrix** [HJHZ18, SH17, BMOF17]. **Maximisation** [SC17]. **MCAPL** [Den18]. **MCMC** [YK17, You18]. **MCMCvis** [You18]. **mcMST** [Bos17]. **MCycle** [Hug18]. **MDEntropy** [HP17]. **Measurement** [RMF18]. **Measurement-Based** [RMF18]. **Medical** [ISMA18, Zek18]. **memory** [CMKB18, Fas18]. **memory-mapped** [Fas18]. **Metadata** [Boe17b]. **Meteorological** [Van18]. **Meteorology** [SPPP17]. **method** [CMKB18, DTR18a, KMB17]. **Methods** [Gol16, GF18]. **metrics** [Gre16]. **micompm** [FR18]. **MicroBenthos** [Che18]. **microbial** [Che18]. **microcomputers** [HTT18]. **microcontrollers** [HTT18]. **microcontrollers/microcomputers** [HTT18]. **microframework** [VBM+18]. **MicroPEM** [SVM+17]. **microPIECE** [ABVF18]. **microRNA** [ABVF18]. **microsynthesis** [Smi18]. **Microtiter** [Hug16]. **MinHash** [BI16]. **MinHashing** [BG18]. **Minimum** [Bos17, Van16]. **Mining** [SR16]. **missing** [Bil18]. **Missingno** [Bil18]. **mixed** [Wak16b]. **mixture** [And18a, SC17]. **mlpack** [CEL+18]. **MLxtend** [Ras18]. **mmappickle** [Fas18]. **modalities** [MPFRA17]. **Mode** [DTR18b, MPFRA17]. **Model** [Gol16, And18a, DR18, Fro18, GWM18, MG18a, TCR18, VHM17, VCD18, WHG17, Zag18, vH17b]. **Modeling** [CM17, Gov18, ISMA18, Che18, CCAM18, HHM18, JCS17, Mar17, MZ18, Ros18]. **Modelling** [Car17a, VWDB16, PP18, Rei18, Tay18]. **Models** [Lüd18a, IESdF18, Joy17, Lev16, ML16, OGBC18, SC17]. **Modular** [Bos18, Dat17]. **Modulated** [MS16]. **Module** [MD17, Mor17b, Fas18, Mor17a]. **moldable** [Cár17b]. **Molecular** [HP17, Ras17, dB18]. **molten** [LH18]. **Moltres** [LH18]. **Monte** [Gas18b, Mor17b]. **Mordecai** [Hal17]. **Morphometrics** [MG18b]. **Mosquitto** [Lig17]. **mpnum** [SH17]. **MQTT** [Lig17]. **MSMExplorer** [HHSP17]. **mst_clustering** [Van16]. **Multi** [Bos17, Bos18, Lat17, BB18, PP18, SC17]. **Multi-Criteria** [Bos17]. **Multi-dimensional** [Lat17]. **multi-party** [BB18]. **multi-scale** [PP18]. **Multi-Step** [Bos18]. **multi-threaded** [SC17]. **Multiclass** [HJHZ18]. **Multilocus** [PTK16]. **Multiphonon** [LIK18]. **Multiple** [Mad16, BH18, Mäk16]. **multiple-scattering** [BH18]. **multivariate** [FR18]. **Mutational** [DC17].

**N2** [HTT18]. **Named** [KM17b]. **names** [ABEY18, Sta17]. **National** [Van18, SR18]. **Natural** [MBK+18]. **nature** [VBM+18]. **nature-inspired** [VBM+18]. **ncbi** [KA17]. **Negative** [YK17]. **nested** [CN17, WD18]. **nests** [VCD18]. **NETANOS** [KM17b]. **Network** [Gov18, Mor17c, ALB+16, Gre16, WZ18]. **Networks** [MS16, RS17a, Boe17a]. **Neural** [MS16, Mor17c]. **neurophysiology** [NMGB17]. **Neuropsydia.py** [MD17]. **Neuroscience** [RS17a]. **Neutron** [LIK18, ZB17]. **next** [MPFRA17]. **next-generation** [MPFRA17]. **NGS**

[CDLC17]. **NiaPy** [VBM+18]. **Nifti** [FSV+17]. **Nimbus** [BGR17]. **Node.js** [KM17b]. **noisy** [May17]. **Noisyopt** [May17]. **Nomis** [Ode18]. **nomisr** [Ode18]. **nomisweb** [Smi17]. **Non** [Wil18b, YK17, Dah18b]. **non-linear** [Dah18b]. **Non-Negative** [YK17]. **Non-Probability** [Wil18b]. **Nonlinear** [WCP18, Dat18]. **nonsense** [Huc18a]. **Nostril** [Huc18a]. **notebook** [CMP17]. **novo** [PTK16]. **nse** [AB17]. **nuclear** [WZ18]. **nucleotide** [CR17]. **Numerical** [AB17, Dah18c]. **numerically** [Dah18b]. **NumPy** [DOS17, EW16, RC18, Fas18]. **NVIDIA** [CB17].

**O** [NPP18]. **object** [Har17a, ODP18]. **object-oriented** [ODP18]. **Objects** [Her17]. **Observation** [MDW18, SD18]. **observations** [FR18]. **Ocean** [Hop17, DR18, vH17b]. **OctApps** [WPK+18]. **Octave** [FR18, WPK+18]. **ODE** [Dah18c, MKT+18]. **ODES** [MKT+18]. **OnDemand** [HJC+18]. **ontology** [BBM18]. **opc** [HTT18]. **OPC-N2** [HTT18]. **OPEM** [HAHR18]. **Open** [Fin18, HAHR18, HJC+18, KM17b, Soc17, BAB+17, CM18, CMP17, HU17, Mut17a, Ren17, VHM17, VCD18, Soc18b]. **open-source** [BAB+17, HU17, VHM17, VCD18]. **OpenCPU** [Kor18]. **OpenEPSim** [Fin18]. **OpenSpace** [BAB+17]. **OpenStreetMap** [Boe17a]. **operate** [HTT18]. **opt_einsum** [SG18]. **Optim** [MR18a]. **Optimization** [CCAM18, JG17, MHH+16, Mir18, JCS17, MR18a, MvdB18]. **optimizing** [BH18, May17, SG18]. **Optlang** [JCS17]. **opty** [MvdB18]. **Order** [Her17, SG18]. **organisation** [Dir18]. **Oriented** [Mak18, ODP18, Ros18]. **origami** [CH18]. **OS-agnostic** [SM18]. **osmdata** [PLSR17]. **OSMnx** [Boe17a]. **Osprey** [MHH+16]. **other** [HTT18]. **Output** [You18, SVM+17]. **Overland** [DDJ+17]. **OWL** [Bal16].

**p5.js** [Har17a]. **Package** [Mak18, MWS18, Rov17, SD18, Wag18, ABEY18, BMOF17, Boe17a, BHA18, Car17a, Dah18a, Dat17, Dir18, FM18, Gas18a, GF18, Gra18, Han18, HHM18, Hug18, IESdF18, JEC18, Lan18, Lau18, MSSH18, MR18a, MCB18, MZ18, MR18b, Mur18, NMGB17, NPP17, NPP18, NEGZG18, PW17, RG18, SVM+17, Smi18, SG18, Spi18, Sta17, Tan18, Tho18, Tur18, VWDB16, Wha18, Wil18a, WD18, Zag18, dB18]. **Packages** [Boe17b]. **Packer** [RCS+16]. **Pain** [Att16]. **Pandarus** [Mut17b]. **pandas** [Ras17]. **parallel** [PWFM17]. **parameter** [BC16, MvdB18]. **parameterised** [Joy17]. **parameters** [Raa16]. **ParaVision** [FSV+17]. **Parser** [Siu17, Lar18, Hon16]. **parsing** [Spi18]. **Particle** [Mir18]. **ParticleScattering** [BH18]. **partitioning** [Lat17]. **party** [BB18]. **Pathfinder** [Den18]. **pathology** [Zek18]. **Pattern** [KB18]. **PDF** [LeB18b]. **pdfsearch** [LeB18b]. **pedigrees** [NSL17]. **PEM** [HAHR18]. **performance** [CCAM18, Hof18, KSMA17, Lan18]. **periodic** [GJS18]. **persistent** [WWDS18]. **PetIBM** [CMKB18]. **PETRARCH2** [NSB17]. **PETSc** [CB17]. **PFEIFER** [RGZ+18]. **pharmacodynamic** [VHM17]. **pharmacokinetic** [VHM17]. **pharmacokinetic/pharmacodynamic** [VHM17]. **phenology** [Tay18]. **phenotype** [ALB+16]. **Philentropy** [Dro18]. **Phonetic** [How18]. **Phonon** [LIK18]. **photoelectron** [JGR+18]. **Phylen** [FI18]. **Phylogemetric** [Gre16]. **phylogenetic** [FI18, Gre16, NS18, WD18]. **phylogenomic** [PHSK17]. **phylogram** [WD18]. **phyphy** [Spi18]. **Physics** [BWB+17]. **pi** [HTT18]. **picker** [Har17a]. **pickle** [Fas18]. **Pipeline** [BMR+16, TPAP18, WHLM17, ABVF18, Lan18, SB17, WWDS18, MDW18]. **pipelines** [CDLC17]. **Pipengine** [SB17].

**plant** [Tay18]. **plater** [Hug16]. **Plates** [Hug16]. **Platform** [DDG17, ODP18, SKW17]. **Plotrr** [CN17]. **plots** [BC16, Tur18]. **Plotter** [vH17b]. **Plotting** [OZW18, GJS18, Han18, HFF+17, Mor18]. **plug** [Cuc16]. **plug-in** [Cuc16]. **plugin** [JA16]. **polaron** [Fro18]. **PolaronMobility.jl** [Fro18]. **Pollution** [VRT16, RC18]. **Polynomials** [SP17]. **Polytopes** [YK17]. **pools** [PWFM17]. **popeye** [DRS16]. **popular** [HTT18]. **population** [DRS16, SR18]. **populations** [MG18a]. **portal** [HJC+18]. **portfolio** [BMOF17]. **Portfolios** [ABGF17]. **possible** [Ale17]. **Posterior** [FV18, Han18]. **Powder** [LIK18]. **power** [Hug18, Mur18]. **powerbox** [Mur18]. **predict** [GVM18]. **prediction** [KM17a]. **predictive** [MZ18]. **Preparing** [PST+16]. **Preprocessing** [RGZ+18]. **Principles** [SR16]. **Prism** [Mad16]. **Prison** [FM18]. **prisonbrief** [FM18]. **Probabilistic** [RMF18]. **probabilities** [BB18]. **Probability** [Wil18b]. **probit** [Zag18]. **Problem** [Bos17, HH16]. **problems** [BH18]. **Process** [Fin18, Ros18, SBL+17]. **process-oriented** [Ros18]. **Processes** [CCAM18]. **Processing** [BMR+16, Tor18, PWFM17, SPSH+17]. **processor** [MZ18]. **prodest** [Rov17]. **product** [SH17]. **Production** [Rov17, BF17]. **Program** [NSB17, HF16]. **Programming** [Tho18, Bal16]. **Projection** [MHSG18]. **projections** [SR18]. **projects** [KM17a, SNR18]. **property** [KM17a]. **protocol** [Lig17]. **Providing** [Ras18, NPP18]. **pseudo** [PHSK17]. **pseudo-phylogenomic** [PHSK17]. **psrqpy** [Pit18]. **psycho** [Mak18]. **Psychological** [Mak18]. **PsychoPhysioCollector** [BSHG16]. **Psychophysiological** [BMR+16, BSHG16]. **PsychoPhysioPipeline** [BMR+16]. **psyplot** [Som17]. **Published** [PC18]. **Publishing** [Mak18]. **Publishing-Oriented** [Mak18]. **PubMLST** [PTK16]. **pulsar** [Pit18]. **purchasing** [BMOF17]. **purpose** [Kar18]. **pvlib** [HHM18]. **py** [HTT18]. **py-opc** [HTT18]. **PyBox** [TCR18]. **PyCM** [HJHZ18]. **PyDMD** [DTR18b]. **PyGBe** [CFCB17, CCFB16]. **PyGBe-LSPR** [CFCB17]. **pyGPGO** [JG17]. **pygtc** [BC16]. **pyhector** [WHG17]. **Pymagicc** [GWM18]. **PyMap3D** [Hir18]. **pyneqsys** [Dah18b]. **pynucastro** [WZ18]. **pyodesys** [Dah18c]. **pyPhenology** [Tay18]. **Pyret** [NMGB17]. **Pyrgg** [Hag17]. **pysrim** [OZW18]. **PySwarms** [Mir18]. **python** [Gra18, HJPB17, HHM18, MB17a, NEGZG18, Pit18, Smi17, Tay18, Ano18a, BG17, Boe17a, BHA18, BM18, CFCB17, CH17b, CHG+16, CCFB16, Dah18a, Dah18c, DTR18b, Fas18, FV18, FM16, GWM18, GZT+18, GF18, Gre18, Gre16, Hag17, HJHZ18, Han18, HU17, HFF+17, HB16, Huc18a, Hug18, ISMA18, JEC18, JG17, KB18, MD17, Mar17, May17, McF16, Mir18, MWS18, Mor17b, MR18b, Mur18, NMGB17, PRH17, PW17, PWFM17, RS17b, RG18, Ras18, Ros18, RC18, Sco17, Smi18, SG18, Spi18, Sta17, SH17, Tau16, VBM+18, WHG17, vdH18, HHM18]. **PyTransport** [MR18b]. **pyuca** [Tau16]. **PyUnfold** [BHA18]. **pyuvdata** [HJPB17].

**Q** [Tur18]. **Q-Q** [Tur18]. **qicharts2** [Anh18]. **qqman** [Tur18]. **Quadratures** [SP17]. **Quail** [HFF+17]. **Quality** [Anh18, ÅBD18, MB17b]. **qualtRics** [Gin18]. **Quantification** [Dro18, TSH18]. **QUantitative** [Woo18]. **Quantum** [Cuc16, Gra18]. **quaternions** [RG18]. **queries** [GV17]. **querying** [Pit18]. **Questionnaires** [MD17]. **Quick** [ÅBD18]. **quimb** [Gra18]. **QUIT** [Woo18].

**R** [Anh18, AB17, ABGF17, ABEY18, Arn17, BMOF17, BS16, Boe17b, Car17a, CH17a,

Coe18, CH18, Dir18, Dro18, EW16, FM18, Gas18a, GL16, Hic16, HCM+18, How18, IESdF18, Kan17, Kor18, Lan18, LBS17, Lau18, LeB18a, McL17, MCB18, MZ18, NPP17, NPP18, Rov17, SVM+17, SK17, SNR18, SR16, Siu17, Smi17, Smi18, SD18, SPPP17, SHN17, Spa17, SKW17, Tan18, Tho18, Tur18, Van18, VWDB16, WWDS18, Wil18a, WD18, Zag18]. **R3D2** [HH16]. **radial** [Ano18b]. **RAILS** [War16]. **Ramble** [Siu17]. **Random** [BGR17, Car17a, Hag17, JL16, PRH17, Lev16]. **ranging** [MG18a]. **raspberry** [HTT18]. **rate** [McF16]. **rates** [WZ18]. **ray** [HF16]. **RcppCNPy** [EW16]. **rdefra** [VRT16]. **RDM** [JA16]. **reaction** [WZ18]. **Reactive** [HH16]. **reactors** [LH18]. **Read** [EW16, Hug16, SBL+17]. **Read-Write** [EW16]. **reading** [HB16]. **reads** [PHSK17, Wak16b]. **recall** [HFF+17]. **Recapture** [Wil18b, MG18a]. **receptive** [DRS16]. **Reciprocal** [Sco17]. **Recognition** [Tor18]. **reconstruction** [FI18]. **Recordings** [RGZ+18]. **Records** [SD18]. **Recurrent** [MS16]. **Reduced** [DTR18a]. **Reduction** [WHLM17, Mad16]. **reference** [PHSK17]. **reference-free** [PHSK17]. **References** [McL17]. **RefManageR** [McL17]. **regionalized** [Mut17b]. **register** [Wro18]. **Registration** [Wro18]. **Registry** [Soc17, Soc18b]. **Regression** [Lüd18a, Mad16]. **regularization** [Mad16]. **Relativistic** [HH16]. **release** [SAC+17]. **remBoot** [Car17a]. **Remote** [HDL17]. **reper** [TSH18]. **repetitive** [TSH18]. **Reports** [Pas17, OCT+17, Zek18]. **Representation** [Hic16, SH17]. **Representations** [Lau18]. **Reproducibility** [RCS+16, Lan18]. **Reproducible** [Soc18a, Cár17b, HHV17, SNR18, TPAP18]. **ReproZip** [RCS+16]. **resampy** [McF16]. **Research** [BMR+16, BSHG16, ZKM+16, Cár17b, CMP17, JA16, Mir18]. **Resonance** [FSV+17, ZB17]. **results** [Gas18b, Tan18, Tur18]. **ResumableFunctions** [Lau17]. **Retrieval** [KMG+17]. **retrieve** [Gin18]. **Retriever** [KMG+17]. **returns** [FM18]. **reusable** [BBM18]. **Reward** [MS16]. **Reward-Modulated** [MS16]. **Riemann** [HH16]. **rintrojs** [Gan16]. **RISE** [Wil18a]. **Risk** [ABGF17]. **Risk-Based** [ABGF17]. **RiskPortfolios** [ABGF17]. **RNA** [Har17b, TPAP18]. **RNA-seq** [Har17b, TPAP18]. **RNAsik** [TPAP18]. **robot** [ODP18]. **Robotics** [LGH+18]. **Robust** [GHF+17]. **ROOT** [DOS17]. **root_numpy** [DOS17]. **ROS** [CMEM+17]. **ros_control** [CMEM+17]. **rowan** [RG18]. **rsimsum** [Gas18b]. **RSMTool** [ML16]. **RTI** [SVM+17]. **rtimicropem** [SVM+17]. **Ruby** [BGR17]. **rucrdtw** [BS16]. **Rule** [MS16]. **runs** [ÅBD18, TPAP18].

**safe** [NS18]. **SaffronTree** [PHSK17]. **salabim** [vdH18]. **SALib** [HU17]. **salt** [LH18]. **Sample** [Wil18b, McF16]. **Sampling** [YK17]. **SAT** [BA18]. **Scaffolding** [War16]. **Scala** [Bal16]. **scale** [KM17a, PP18, SNR18]. **scan** [All18, MPFRA17]. **Scanning** [DC17]. **scanstatistics** [All18]. **Scattering** [LIK18, BH18]. **Scatterplot** [FM16]. **schemes** [Sta17]. **schwimmbad** [PWFM17]. **Science** [KM17b, Mak18, Ras18]. **Scientific** [Kle18, Pas17, NEGZG18, Ras18]. **scikit** [MSSH18]. **scikit-learn-contrib** [MSSH18]. **Scores** [FN17, Wag18, Gas18a]. **scoring** [ML16]. **Scowl** [Bal16]. **screen** [Mor17c]. **Search** [LeB18b, BS16]. **Securities** [Lee16]. **selection** [BGR17, Mad16]. **Sensitivity** [HU17]. **Sentinel** [DDG17]. **Sentinel-based** [DDG17]. **SEP** [Bar16]. **seq** [Har17b, TPAP18]. **'Sequana'** [CDLC17]. **sequence** [CR17, KPA17, MB17b, PTK16, SM18, SAC+17]. **sequences** [War16]. **sequencing** [ÅBD18]. **Series** [Lau18, BS16]. **server** [Kor18, Lig17]. **services** [KA17]. **Set**

[CDLC17]. **Setting** [Wil18b]. **Shallow** [DDJ+17]. **Shallow-Water** [DDJ+17]. **sharp** [Lau17]. **SHGYield** [AM17]. **shifts** [GVM18]. **Shiny** [YS18]. **shmlast** [Sco17]. **shotgun** [APT+18]. **sigma.js** [Coe18]. **sigmajs** [Coe18]. **simple** [CMEM+17, Did17, GWM18, KSMA17, WHG17, WFA+17]. **simpleCache** [SNR18]. **simulating** [Mar17]. **Simulation** [Fin18, Fro16, HAHR18, How17, Gas18b, JGR+18, LH18, vdH18]. **simulations** [TCR18, dB18, vH17b]. **Simulator** [Ira18]. **SimuPy** [Mar17]. **Singularity** [Soc17]. **sizing** [Hug18]. **sjmisc** [Lüd18b]. **skedm** [CM17]. **Skeleton** [ZKM+16]. **sketching** [BI16]. **Ski** [MH18]. **skijumpdesign** [MH18]. **Slicer** [MPFRA17]. **SlicerITKUltrasound** [MPFRA17]. **Smartphone** [BSHG16]. **Smartphone-Based** [BSHG16]. **Snakemake** [CDLC17]. **Software** [MvdB18, WCP18, CM18, Dat18, HHV17, SAC+17]. **solar** [HHM18]. **solutions** [Ren17]. **Solve** [Dah18b]. **Solver** [BA18, CFCB17, HH16, Kar18]. **solvers** [MKT+18]. **Solving** [BH18]. **sound** [MZ18]. **Source** [Bar16, HAHR18, Soc17, Soc18b, BAB+17, CM18, CMP17, HU17, Huc18b, Mut17a, Ren17, VHM17, VCD18]. **sourmash** [BI16]. **space** [All18]. **space-time** [All18]. **Spanning** [Bos17, Van16]. **spatial** [Gri17, Gri17]. **spatial-aware** [Gri17]. **spatial-efd** [Gri17]. **spatiotemporal** [VCD18]. **SPDX** [GGKG16]. **species** [Wak16b]. **Specified** [MH18]. **spectra** [HF16, Mur18]. **Spectral** [CH17b]. **Spectroscopic** [MDW18]. **spectroscopy** [JGR+18]. **'Spectrum'** [CH17b]. **Speech** [Tor18]. **SpeechPy** [Tor18]. **speed** [TPAP18]. **spells** [SS18]. **Spiral** [Huc18b]. **spline** [Mad16]. **splitters** [Huc18b]. **SRIM** [OZW18]. **stabilizing** [Har17b]. **stack** [Ras18]. **Standard** [AB17, MG18b, KPV+17, Spi18]. **States** [LIK18, MB18]. **Statistical** [RRD+18, Tan18]. **statistically** [MZ18]. **statistics** [All18]. **Step** [Bos18]. **Stochastic** [Fro16, dB18]. **Storage** [GGKG16, Dir18, NEGZG18]. **store** [Fas18]. **Straightforward** [Dah18c]. **strategically** [BMOF17]. **Strategy** [MWS18]. **Streamlined** [Wag18]. **street** [Boe17a]. **string** [Huc18a, NPP17]. **structured** [Mur18]. **Structures** [ISMA18, Ras17]. **students** [Ale17]. **Studies** [SP17, Gas18b]. **style** [Lau17]. **subject** [ALB+16]. **Submission** [HDL17, PST+16]. **subnational** [SR18]. **subsequence** [BS16]. **subspaces** [CHG+16]. **SuchTree** [NS18]. **suitability** [TSS16]. **suite** [Bil18]. **Summarise** [Gas18b]. **summarization** [AEAP18]. **Summarize** [You18]. **Summary** [SHN17]. **sumo** [GJS18]. **Suppdata** [PC18]. **Supplementary** [PC18]. **Support** [EW16, HB16]. **supporting** [SVM+17]. **survey** [Gin18]. **survival** [MG18a, Wak16a]. **SurvivalVolume** [Wak16a]. **Swarm** [Mir18]. **symbolically** [Dah18b]. **symmetry** [Mor17a]. **synteny** [War18]. **Synthetic** [ZKM+16]. **System** [GGKG16, JA16, Kor18]. **Systems** [OSS18, Dah18c, Dah18b, Dat17, HHM18, LBS17, Mar17, PP18].

**Targeted** [HCH17]. **Tasks** [MD17]. **TDAstats** [WWDS18]. **template** [SC16]. **template-based** [SC16]. **Temporalis** [CM18]. **TensorFlow** [Ira18]. **TensorFlow-based** [Ira18]. **terrestrial** [Hir18]. **test** [Soc18b]. **tests** [Ren17]. **Text** [Hal17, Mor17c, MBK+18, SR16, KM17b]. **Texts** [Kle18]. **tf** [Ira18]. **Theoretic** [HP17, Boe17a]. **Theory** [Dro18, JEC18]. **thermodynamic** [Hug18]. **thesis** [Ale17]. **Thin** [Toc18]. **thread** [NS18]. **thread-safe** [NS18]. **threaded** [SC17]. **Three** [MWS18]. **Three-Strategy** [MWS18]. **threshold** [Wak16a]. **throughput** [KPA17, WFA+17].

**Tidy** [Alb17, Hug16, Lüd18a, SR16, FM18]. **tidyhydat** [Alb17]. **tidynamics** [dB18]. **tidytext** [SR16]. **TIFF** [NPP18]. **Time** [Lau18, All18, BS16]. **Timing** [RMF18]. **tiny** [dB18]. **Tokenization** [MBK+18]. **Tool** [Fin18, HAHR18, KMG+17, MH18, ZB17, BG18, Cár17b, DRS16, Joy17, KPV+17, MB17a, Mäk16, NSL17, TSS16, WFA+17]. **Toolbox** [Bos17, MG18b, CMKB18, FR18, HFF+17, LCP16, Ren17]. **Toolkit** [ISMA18, LGH+18, KSMA17, Lan18, Mir18, Mut17b, Ros18, SM18]. **Tools** [LBS17, LeB18b, Vit17, Woo18, You18, Ano18a, GJS18, LIK18, ML16, SPSH+17]. **topological** [WWDS18]. **Trait** [ALB+16]. **trajectory** [MvdB18]. **Transformation** [Lüd18b, Har17b]. **transformed** [JNM18]. **transformers** [MSSH18]. **Transforming** [SD18]. **Transforms** [WCP18]. **Tree** [Bos17, BBM18]. **tree-based** [BBM18]. **Trees** [Van16, NS18, PHSK17]. **Triangle** [BC16]. **Triangles** [Her17]. **trimming** [NSL17]. **TSrepr** [Lau18]. **Tubular** [ISMA18]. **tungsten** [HF16]. **Tuples** [Hic16]. **Turf** [CH17a]. **two** [Dat17]. **Typical** [Att16]. **typing** [PTK16].

**U.S.** [Lee16]. **UglyMol** [Woj17]. **UK** [Ode18, Smi17, VRT16]. **UKCensusAPI** [Smi17]. **ukpopulation** [SR18]. **ultra** [SB17]. **ultrasound** [MPFRA17]. **UMAP** [MHSG18]. **unfolding** [BHA18]. **Unicode** [Tau16]. **unified** [SR18]. **Uniform** [MHSG18, PWFM17]. **United** [MB18]. **units** [GZT+18]. **universal** [Raa16]. **unyt** [GZT+18]. **USAboundaries** [MB18]. **Use** [Spa17, Dat17, Har17a]. **useful** [Dah18a]. **User** [YS18]. **User-Friendly** [YS18]. **users** [NPP18]. **Using** [Att16, Pas17, SR16, All18, FI18, Gin18, Hop17, JL16, MvdB18, Ren17, TSS16, Tur18, War16]. **utilities** [Ras18]. **Utility** [CHG+16, Soc18c].

**v** [Spa17]. **v2.1** [SAC+17]. **Validation** [CH18]. **Variable** [Lüd18b]. **variables** [Zag18]. **variance** [Har17b]. **variants** [SR18]. **variational** [Fro18]. **Varistran** [Har17b]. **Vascular** [ISMA18]. **vbvs.concurrent** [Gol16]. **VCC** [HHV17]. **VCF** [HB16]. **VCFPy** [HB16]. **velocities** [Ano18b]. **version** [JA16]. **via** [Van16]. **viewer** [Woj17]. **viewshed** [Cuc16]. **Virtual** [How17]. **visdat** [Tie17]. **visual** [CN17, Cuc16, Har17a]. **Visualising** [Tie17]. **Visualization** [Wag18, Bil18, BBM18, Coe18, Som17]. **Visualizations** [HHSP17, Tan18, TR17]. **Visualize** [You18, MB17a]. **Visualizing** [War18, Tur18]. **visually** [vH17b]. **volume** [Wak16a]. **vtreat** [MZ18].

**walkr** [YK17]. **Water** [DDJ+17]. **wave** [WPK+18]. **way** [Hon16, vH17a]. **Weather** [SHN17, LA18]. **weathercan** [LA18]. **Weave.jl** [Pas17]. **web** [BBM18, HJC+18, Kea17, SAB+16, KM17b]. **web-based** [HJC+18, SAB+16, KM17b]. **web-visualization** [BBM18]. **WebGL** [Woj17]. **website** [FM18]. **weighted** [Lev16, RS17a]. **weighting** [JGR+18]. **Whole** [Tie17, APT+18]. **wide** [TSH18]. **wind** [RC18]. **windrose** [RC18, RC18]. **without** [TSH18]. **work** [Boe17a, LBS17]. **Workflow** [DC17, GL16, Mak18, OSS18]. **Working** [Att16, Ras17, Ano18a, RG18]. **workloads** [WFA+17]. **World** [FM18]. **Wrapper** [Gan16, GWM18, Toc18]. **wrappers** [ODP18]. **Wright** [BF17]. **Write** [EW16, SBL+17]. **writing** [Ale17, HB16]. **written** [Dah18a, Huc18a].

**X** [HF16]. **X-ray** [HF16]. **XACT** [KPV+17]. **Xbim.Essentials** [LBČ17]. **Xenomapper** [Wak16b]. **xmatchview** [War18]. **xpecgen** [HF16]. **xphyle** [Did17].

**YAML** [SB17]. **YAML-based** [SB17].

**YoungTab** [Rom17].

# References

**Ardia:2017:PNC**

[AB17] David Ardia and Keven Bluteau. `nse`: Computation of numerical standard errors in R. *Journal of Open Source Software*, 2(10):172:1–172:2, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00172`.

**Aaslin:2018:PCQ**

[ÅBD18] Matilda Åslin, Monika Brandt, and Johan Dahlberg. `CheckQC`: Quick quality control of Illumina sequencing runs. *Journal of Open Source Software*, 3(22):556:1–556:2, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00556`.

**Arel-Bundock:2018:PCR**

[ABEY18] Vincent Arel-Bundock, Nils Enevoldsen, and C. J. Yetman. `countrycode`: An R package to convert country names and country codes. *Journal of Open Source Software*, 3(28):848:1–848:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00848`.

**Ardia:2017:PRC**

[ABGF17] David Ardia, Kris Boudt, and Jean-Philippe Gagnon-Fleury. `RiskPortfolios`: Computation of risk-based portfolios in R. *Journal of Open Source Software*, 2(10):171:1, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00171`.

**Amsel:2018:PMM**

[ABVF18] Daniel Amsel, André Billion, Andreas Vilcinskas, and Frank Förster. `microPIECE` — microRNA pipeline enhanced by CLIP experiments. *Journal of Open Source Software*, 3(24):616:1–616:4, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00616`.

**Andrews:2018:PGF**

[AEAP18] Jared M. Andrews, Mohamed El-Alawi, and Jacqueline E. Payton. `Genotify`: Fast, lightweight gene lookup and summarization. *Journal of Open Source Software*, 3(28):885:1–885:4, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00885`.

**Arends:2016:CTL**

[ALB+16] Danny Arends, Yang Li, Gudrun A. Brockmann, Ritsert C. Jansen, Robert W. Williams,

and Pjotr Prins. Correlation trait loci (CTL) mapping: phenotype network inference subject to genotype. *Journal of Open Source Software*, 1(6):87:1–87:4, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00087`.

**Albers:2017:PTE**

[Alb17] Sam Albers. `tidyhydat`: Extract and tidy Canadian hydrometric data. *Journal of Open Source Software*, 2 (20):511:1–511:4, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00511`.

**Alexandre:2017:PLM**

[Ale17] Eduardo S. M. Alexandre. `Limarka`: making possible Brazilian students writing dissertation and thesis with Markdown. *Journal of Open Source Software*, 2(9):169:1, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00169`.

**Allevius:2018:PSS**

[All18] Benjamin Allévius. `scanstatistics`: space-time anomaly detection using scan statistics. *Journal of Open Source Software*, 3(25):515:1–515:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00515`.

**Anderson:2017:PS**

[AM17] Sean M. Anderson and Bernardo S. Mendoza. `SHGYield`. *Journal of Open Source Software*, 2(14):242:1–242:2, June 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00242`.

**Andersen:2018:DLM**

[And18a] Mikkel Meyer Andersen. Discrete Laplace mixture model with applications in forensic genetics. *Journal of Open Source Software*, 3(26):748:1–748:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00748`.

**Andersen:2018:PMM**

[And18b] Mikkel Meyer Andersen. `malan`: MAle Lineage ANalysis. *Journal of Open Source Software*, 3(25):684:1–684:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00684`.

**Anhoj:2018:PQQ**

[Anh18] Jacob Anhøj. `qicharts2`: Quality improvement charts for R. *Journal of Open Source Software*, 3(25):699:1–699:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00699`.

**Anonymous:2018:PCC**

[Ano18a] Anonymous. `ChebTools`: C++11 (and Python) tools for working with Chebyshev expansions. *Journal of Open Source Software*, 3(22):569:1–569:3, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00569`.

**Anonymous:2018:PKE**

[Ano18b] Anonymous. `kima`: Exoplanet detection in radial velocities. *Journal of Open Source Software*, 3(26):487:1–487:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00487`.

**Ankenbrand:2018:PCE**

[APT+18] Markus J. Ankenbrand, Simon Pfaff, Niklas Terhoeven, Musga Qureischi, Maik Gündel, Clemens L. Weiß, Thomas Hackl, and Frank Förster. `chloroExtractor`: extraction and assembly of the chloroplast genome from whole genome shotgun data. *Journal of Open Source Software*, 3(21):464:1–464:3, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00464`.

**Arnold:2017:PKR**

[Arn17] Taylor B. Arnold. `kerasR`: R interface to the Keras Deep Learning Library. *Journal of Open Source Software*, 2(14):296:1, June 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00296`.

**Attali:2016:PEA**

[Att16] Dean Attali. `ezknitr`: Avoid the typical working directory pain when using '`knitr`'. *Journal of Open Source Software*, 1(5):75:1, September 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00075`.

**Ben-Ari:2018:PLS**

[BA18] Mordechai (Moti) Ben-Ari. `LearnSAT`: A SAT solver for education. *Journal of Open Source Software*, 3(24):639:1–639:2, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00639`.

**Bock:2017:POO**

[BAB+17] Alexander Bock, Emil Axelsson, Karl Bladin, Jonathas Costa, Gene Payne, Matthew Territo, Joakim Kilby, Masha Kuznetsova, Carter Emmart, and Anders Ynnerman. `OpenSpace`: An open-source astrovisualization framework. *Journal of Open Source Software*, 2(15):281:1, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00281`.

**Balhoff:2016:PSS**

[Bal16] James P. Balhoff. `Scowl`: a Scala DSL for programming with the OWL API. *Journal of Open Source Software*, 1(1): 23:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00023`.

**Barbary:2016:PSS**

[Bar16] Kyle Barbary. `SEP`: Source extractor as a library. *Journal of Open Source Software*, 1(6):58:1–58:2, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00058`.

**Bender:2018:PCC**

[BB18] Andreas Bender and Alexander Bauer. `coalitions`: Coalition probabilities in multiparty democracies. *Journal of Open Source Software*, 3(23):606:1–606:2, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00606`.

**Brancotte:2018:RTB**

[BBM18] Bryan Brancotte, Christophe Blanchet, and Hervé Ménager. A reusable tree-based web-visualization to browse EDAM ontology, and contribute to it. *Journal of Open Source Software*, 3(27):698:1–698:4, July 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00698`.

**Bocquet:2016:PPB**

[BC16] Sebastian Bocquet and Faustin W. Carter. `pygtc`: beautiful parameter covariance plots (aka. giant triangle confusograms). *Journal of Open Source Software*, 1(6):46:1–46:3, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00046`.

**Boehmke:2017:PLI**

[BF17] Bradley C. Boehmke and Jason K. Freels. `learningCurve`: An implementation of Crawford's and Wright's learning curve production functions. *Journal of Open Source Software*, 2(13):202:1, May 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00202`.

**Batut:2017:PEP**

[BG17] Bérénice Batut and Björn Grüning. `ENASearch`: A Python library for interacting with ENA's API. *Journal of Open Source Software*, 2(18):418:1, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00418`.

**Bovee:2018:PFT**

[BG18] Roderick Bovee and Nick Greenfield. `Finch`: a tool

adding dynamic abundance filtering to genomic MinHashing. *Journal of Open Source Software*, 3(22):505:1–505:2, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00505`.

**Bazan:2017:PNR**

[BGR17] Juanjo Bazán and Oscar Gonzalez-Recio. `Nimbus`: a Ruby gem to implement random forest algorithms in a genomic selection context. *Journal of Open Source Software*, 2(16):351:1–351:3, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00351`.

**Blankrot:2018:PPS**

[BH18] Boaz Blankrot and Clemens Heitzinger. `ParticleScattering`: Solving and optimizing multiple-scattering problems in Julia. *Journal of Open Source Software*, 3(25):691:1–691:3, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00691`.

**Bourbeau:2018:PPP**

[BHA18] James Bourbeau and Zigfried Hampel-Arias. `PyUnfold`: A Python package for iterative unfolding. *Journal of Open Source Software*, 3(26):741:1–741:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00741`.

**Brown:2016:PSL**

[BI16] C. Titus Brown and Luiz Irber. `sourmash`: a library for MinHash sketching of DNA. *Journal of Open Source Software*, 1(5):27:1, September 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00027`.

**Bilogur:2018:PMM**

[Bil18] Aleksey Bilogur. `Missingno`: a missing data visualization suite. *Journal of Open Source Software*, 3(22):547:1–547:4, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00547`.

**Brown:2018:PHP**

[BM18] Ryan C. Brown and Joshua Moser. `HSImage`: A Python and C++ library to allow interaction with ENVI-BIL hyperspectral images. *Journal of Open Source Software*, 3(25):630:1–630:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00630`.

**Boehmke:2017:PKR**

[BMOF17] Bradley C. Boehmke, Robert T. Montgomery, Jeffrey A. Ogden, and Jason K. Freels. `KraljicMatrix`: An R package for implementing the Kraljic

Matrix to strategically analyze a firm's purchasing portfolio. *Journal of Open Source Software*, 2(10):170:1–170:2, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00170`.

**Bogutzky:2016:PPP**

[BMR+16] Simon Bogutzky, Phillip Marsch, Licínio Roque, Nassrin Hajinejad, and Barbara Grüter. `PsychoPhysioPipeline`: A processing and analysis pipeline for psychophysiological research. *Journal of Open Source Software*, 1(5):41:1–41:3, September 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00041`.

**Boeing:2017:POP**

[Boe17a] Geoff Boeing. `OSMnx`: A Python package to work with graph-theoretic OpenStreetMap street networks. *Journal of Open Source Software*, 2(12):215:1–215:4, April 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00215`.

**Boettiger:2017:GPC**

[Boe17b] Carl Boettiger. Generating `CodeMeta` metadata for R packages. *Journal of Open Source Software*, 2(19):454:1, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00454`.

**Boisgerault:2018:PBB**

[Boi18] Sébastien Boisgérault. `Bitstream` — binary data for humans. *Journal of Open Source Software*, 3(21):541:1–541:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00541`.

**Bossek:2017:PMT**

[Bos17] Jakob Bossek. `mcMST`: A toolbox for the multi-criteria minimum spanning tree problem. *Journal of Open Source Software*, 2(17):374:1–374:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00374`.

**Bossek:2018:PGM**

[Bos18] Jakob Bossek. `grapherator`: A modular multi-step graph generator. *Journal of Open Source Software*, 3(22):528:1–528:3, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00528`.

**Boersch-Supan:2016:PRF**

[BS16] Philipp H. Boersch-Supan. `rucrdtw`: Fast time series subsequence search in R. *Journal of Open Source Software*, 1(7):100:1–100:2, November 2016. CODEN ???? ISSN 2475-9066. URL `http://`

joss.theoj.org/papers/10.21105/joss.00100.

**Bloice:2017:PAI**

[BSH17] Marcus D. Bloice, Christof Stocker, and Andreas Holzinger. Augmentor: An image augmentation library for machine learning. *Journal of Open Source Software*, 2(19):432:1–432:2, November 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00432.

**Bogutzky:2016:PPS**

[BSHG16] Simon Bogutzky, Jan Christoph Schrader, Nassrin Hajinejad, and Barbara Grüter. PsychoPhysioCollector: A smartphone-based data collection app for psychophysiological research. *Journal of Open Source Software*, 1(4):40:1–40:3, August 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00040.

**Binet:2017:PGH**

[BWB+17] Sebastien Binet, Bastian Wieck, David Blyth, Emmanuel Busato, Michaël Ughetto, and Peter Waller. Go-HEP: libraries for high energy physics analyses in Go. *Journal of Open Source Software*, 2(17):372:1–372:4, September 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00372.

**Caravaggi:2017:PRR**

[Car17a] Anthony Caravaggi. remBoot: An R package for random encounter modelling. *Journal of Open Source Software*, 2(10):176:1–176:3, February 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00176.

**Cardenas:2017:PGM**

[Cár17b] Offray Vladimir Luna Cárdenas. Grafoscopio: A moldable tool for literate computing and reproducible research. *Journal of Open Source Software*, 2(18):251:1–251:2, October 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00251.

**Chuang:2017:PAI**

[CB17] Pi-Yueh Chuang and Lorena A. Barba. AmgXWrapper: An interface between PETSc and the NVIDIA AmgX library. *Journal of Open Source Software*, 2(16):280:1, August 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00280.

**Cully:2018:PLF**

[CCAM18] Antoine Cully, Konstantinos Chatzilygeroudis, Federico Allocati, and Jean-Baptiste Mouret. Limbo: A flexible high-performance library for Gaussian processes mod-

eling and data-efficient optimization. *Journal of Open Source Software*, 3(26):545:1–545:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00545`.

**Cooper:2016:PPP**

[CCFB16] Christopher D. Cooper, Natalia C. Clementi, Gilbert Forsyth, and Lorena A. Barba. `PyGBe`: Python, GPUs and boundary elements for biomolecular electrostatics. *Journal of Open Source Software*, 1 (4):43:1, August 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00043`.

**Cokelaer:2017:PSSa**

[CDLC17] Thomas Cokelaer, Dimitri Desvillechabrol, Rachel Legendre, and Mélissa Cardon. '`Sequana`': a set of Snakemake NGS pipelines. *Journal of Open Source Software*, 2(16):352:1–352:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00352`.

**Curtin:2018:PMF**

[CEL+18] Ryan R. Curtin, Marcus Edel, Mikhail Lozhnikov, Yannis Mentekidis, Sumedh Ghaisas, and Shangtong Zhang. `mlpack 3`: a fast, flexible machine learning library. *Journal of Open Source Software*, 3(26): 726:1–726:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00726`.

**Clementi:2017:PPL**

[CFCB17] Natalia C. Clementi, Gilbert Forsyth, Christopher D. Cooper, and Lorena A. Barba. `PyGBe-LSPR`: Python and GPU boundary-integral solver for electrostatics. *Journal of Open Source Software*, 2(19):306:1–306:2, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00306`.

**Chamberlain:2017:PLR**

[CH17a] Scott Chamberlain and Jeffrey W. Hollister. `lawn`: An R client for the Turf Javascript Library for Geospatial Analysis. *Journal of Open Source Software*, 2(11):194:1, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00194`.

**Cokelaer:2017:PSSb**

[CH17b] Thomas Cokelaer and Juergen Hasch. '`Spectrum`': Spectral analysis in Python. *Journal of Open Source Software*, 2(18):348:1–348:2, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00348`.

**Coyle:2018:POG**

[CH18] Jeremy R. Coyle and Nima S. Hejazi. `origami`: A generalized framework for cross-validation in R. *Journal of Open Source Software*, 3(21):512:1–512:3, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00512`.

**Chennu:2018:PMM**

[Che18] Arjun Chennu. `MicroBenthos`: a modeling framework for microbial benthic ecology. *Journal of Open Source Software*, 3(25):674:1–674:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00674`.

**Constantine:2016:PPA**

[CHG+16] Paul Constantine, Ryan Howard, Andrew Glaws, Zachary Grey, Paul Diaz, and Leslie Fletcher. `Python` active-subspaces utility library. *Journal of Open Source Software*, 1(5):79:1, September 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00079`.

**Cortale:2017:PSE**

[CM17] Nicholas Cortale and Dylan McNamara. `skedm`: Empirical dynamic modeling. *Journal of Open Source Software*, 2(12):207:1–207:2, April 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00207`.

**Cardellini:2018:PTO**

[CM18] Giuseppe Cardellini and Chris Mutel. `Temporalis`: an open source software for dynamic LCA. *Journal of Open Source Software*, 3(24):612:1–612:2, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00612`.

**Chitta:2017:PRG**

[CMEM+17] Sachin Chitta, Eitan Marder-Eppstein, Wim Meeussen, Vijay Pradeep, Adolfo Rodríguez Tsouroukdissian, Jonathan Bohren, David Coleman, Bence Magyar, Gennaro Raiola, Mathias Lüdtke, and Enrique Fernandez Perdomo. `ros_control`: A generic and simple control framework for ROS. *Journal of Open Source Software*, 2(20):456:1–456:5, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00456`.

**Chuang:2018:PPT**

[CMKB18] Pi-Yueh Chuang, Olivier Mesnard, Anush Krishnan, and Lorena A. Barba. `PetIBM`: toolbox and applications of the immersed-boundary method on distributed-memory architectures. *Journal of Open Source Software*, 3(25):558:1–558:5, May 2018. CODEN ???? ISSN 2475-9066. URL `http://`

joss.theoj.org/papers/10.21105/joss.00558.

**Carpi:2017:PEO**

[CMP17] Nicolas Carpi, Alexander Minges, and Matthieu Piel. eLabFTW: An open source laboratory notebook for research labs. *Journal of Open Source Software*, 2(12):146:1, April 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00146.

**Crabtree:2017:PPF**

[CN17] Charles Crabtree and Michael J. Nelson. Plotrr: Functions for making visual exploratory data analysis with nested data easier. *Journal of Open Source Software*, 2(11):190:1–190:2, March 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00190.

**Coene:2018:PSR**

[Coe18] Jean-Philippe Coene. sigmajs: An R htmlwidget interface to the sigma.js visualization library. *Journal of Open Source Software*, 3(28):814:1–814:2, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00814.

**Constantinides:2017:PKI**

[CR17] Bede Constantinides and David L. Robertson. Kindel: indel-aware consensus for nucleotide sequence alignments. *Journal of Open Source Software*, 2(15):282:1–282:2, July 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00282.

**Cuckovic:2016:AVA**

[Cuc16] Zoran Cuckovic. Advanced viewshed analysis: a quantum GIS plug-in for the analysis of visual landscapes. *Journal of Open Source Software*, 1(4):32:1–32:3, August 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00032.

**Dahlgren:2018:PCP**

[Dah18a] Björn Dahlgren. ChemPy: A package useful for chemistry written in Python. *Journal of Open Source Software*, 3(24):565:1–565:2, April 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00565.

**Dahlgren:2018:PPSb**

[Dah18b] Björn Dahlgren. pyneqsys: Solve symbolically defined systems of non-linear equations numerically. *Journal of Open Source Software*, 3(21):531:1–531:2, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00531.

**Dahlgren:2018:PPSa**

[Dah18c] Björn Dahlgren. `pyodesys`: Straightforward numerical integration of ODE systems from Python. *Journal of Open Source Software*, 3(21):490:1–490:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00490`.

**Datseris:2017:PDJ**

[Dat17] George Datseris. `DynamicalBilliards.jl`: An easy-to-use, modular and extendable Julia package for Dynamical Billiard systems in two dimensions. *Journal of Open Source Software*, 2(19):458:1–458:4, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00458`.

**Datseris:2018:PDJ**

[Dat18] George Datseris. `DynamicalSystems.jl`: A Julia software library for chaos and nonlinear dynamics. *Journal of Open Source Software*, 3(23):598:1–598:5, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00598`.

**deBuyl:2018:PTT**

[dB18] Pierre de Buyl. `tidynamics`: A tiny package to compute the dynamics of stochastic and molecular simulations. *Journal of Open Source Software*, 3(28):877:1–877:4, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00877`.

**Dandage:2017:PDC**

[DC17] Rohan Dandage and Kausik Chakraborty. `dms2dfe`: Comprehensive workflow for analysis of deep mutational scanning data. *Journal of Open Source Software*, 2(20):362:1–362:3, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00362`.

**DeVecchi:2017:PCC**

[DDG17] Daniele De Vecchi, Fabio Dell'Acqua, and Daniel Aurelio Galeazzo. `CLOOPSy` — Copernicus Land cOver crOwdsourcing Platform for Sentinel-based mapping. *Journal of Open Source Software*, 2(15):291:1–291:2, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00291`.

**Delestre:2017:PFF**

[DDJ+17] Olivier Delestre, Frédéric Darboux, François James, Carine Lucas, Christian Laguerre, and Stéphane Cordier. `FullSWOF`: Full shallow-water equations for overland flow. *Journal of Open Source Software*, 2(20):448:1, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00448`.

**Dennis:2018:MFI**

[Den18] Louise A. Dennis. The MCAPL framework including the Agent Infrastructure Layer and Agent Java Pathfinder. *Journal of Open Source Software*, 3(24):617:1–617:2, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00617`.

**Didion:2017:PXE**

[Did17] John P. Didion. `xphyle`: Extraordinarily simple file handling. *Journal of Open Source Software*, 2(14):255:1, June 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00255`.

**Dirmeier:2018:PDR**

[Dir18] Simon Dirmeier. `datastructures`: An R package for organisation and storage of data. *Journal of Open Source Software*, 3(28):910:1–910:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00910`.

**Dawe:2017:PRI**

[DOS17] Edmund Noel Dawe, Piti Ongmongkolkul, and Giordon Stark. `root_numpy`: The interface between `ROOT` and `NumPy`. *Journal of Open Source Software*, 2(16):307:1–307:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00307`.

**Doddridge:2018:PAI**

[DR18] Edward W. Doddridge and Alexey Radul. `Aronnax`: An idealised isopycnal ocean model. *Journal of Open Source Software*, 3(26):592:1–592:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00592`.

**Drost:2018:PPI**

[Dro18] Hajk-Georg Drost. `Philentropy`: Information theory and distance quantification with R. *Journal of Open Source Software*, 3(26):765:1–765:4, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00765`.

**DeSimone:2016:PPP**

[DRS16] Kevin DeSimone, Ariel Rokem, and Keith Schneider. `popeye`: a population receptive field estimation tool. *Journal of Open Source Software*, 1(8):103:1, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00103`.

**Demo:2018:PEE**

[DTR18a] Nicola Demo, Marco Tezzele, and Gianluigi Rozza. `EZyRB`: Easy Reduced Basis method. *Journal of Open Source Software*, 3(24):661:1–661:3, April 2018. CODEN ???? ISSN

2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00661.

**Demo:2018:PPP**

[DTR18b] Nicola Demo, Marco Tezzele, and Gianluigi Rozza. PyDMD: Python Dynamic Mode Decomposition. *Journal of Open Source Software*, 3(22):530:1–530:3, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00530.

**deVal-Borro:2017:PCL**

[dVBCMC17] Miguel de Val-Borro, Martin A. Cordiner, Stefanie N. Milam, and Steven B. Charnley. Cine: Line excitation by infrared fluorescence in cometary atmospheres. *Journal of Open Source Software*, 2(11):182:1–182:2, March 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00182.

**Eddelbuettel:2016:PRR**

[EW16] Dirk Eddelbuettel and Wush Wu. RcppCNPy: Read-write support for NumPy files in R. *Journal of Open Source Software*, 1(5):55:1, September 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00055.

**Fasnacht:2018:PMP**

[Fas18] Laurent Fasnacht. mmappickle: Python 3 module to store memory-mapped numpy array in pickle format. *Journal of Open Source Software*, 3(26):651:1–651:2, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00651.

**Fayek:2017:PML**

[Fay17] Haytham M. Fayek. MatDL: A lightweight deep learning library in MATLAB. *Journal of Open Source Software*, 2(19):413:1–413:2, November 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00413.

**Ferres:2018:PPA**

[FI18] Ignacio Ferrés and Gregorio Iraola. Phylen: automatic phylogenetic reconstruction using the EggNOG database. *Journal of Open Source Software*, 3(25):593:1–593:3, May 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00593.

**Finn:2018:POO**

[Fin18] Caley Finn. OpenEPSim: An open exclusion process simulation tool. *Journal of Open Source Software*, 3(24):650:1–650:2, April 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00650.

**Foreman-Mackey:2016:PCP**

[FM16] Daniel Foreman-Mackey. `corner.py`: Scatterplot matrices in Python. *Journal of Open Source Software*, 1(2):24:1–24:2, June 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00024`.

**Freire:2018:PPR**

[FM18] Danilo Freire and Robert Myles McDonnell. `prisonbrief`: An R package that returns tidy data from the World Prison Brief website. *Journal of Open Source Software*, 3(22):361:1, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00361`.

**Folsom:2017:PHC**

[FN17] Tim Folsom and V. P. Nagraj. `hei`: Calculate healthy eating index (HEI) scores. *Journal of Open Source Software*, 2(18):417:1, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00417`.

**Fachada:2018:PMM**

[FR18] Nuno Fachada and Agostinho C. Rosa. `micompm`: A MATLAB/Octave toolbox for multivariate independent comparison of observations. *Journal of Open Source Software*, 3(23):430:1, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00430`.

**Frost:2016:PGJ**

[Fro16] Simon D. W. Frost. `Gillespie.jl`: Stochastic simulation algorithm in Julia. *Journal of Open Source Software*, 1(3):42:1, July 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00042`.

**Frost:2018:PPJ**

[Fro18] Jarvist Moore Frost. `PolaronMobility.jl`: Implementation of the Feynman variational polaron model. *Journal of Open Source Software*, 3(28):566:1–566:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00566`.

**Ferraris:2017:PBM**

[FSV+17] Sebastiano Ferraris, Dzhoshkun Ismail Shakir, Johannes Van Der Merwe, Willy Gsell, Jan Deprest, and Tom Vercauteren. `Bruker2nifti`: Magnetic resonance images converter from Bruker `ParaVision` to `Nifti` format. *Journal of Open Source Software*, 2(16):354:1–354:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00354`.

**Fleming:2018:PAA**

[FV18] David P. Fleming and Jake VanderPlas. `approxposterior`:

Approximate posterior distributions in Python. *Journal of Open Source Software*, 3(29):781:1–781:2, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00781`.

**Ganz:2016:PRW**

[Gan16] Carl Ganz. `rintrojs`: A wrapper for the `Intro.js` library. *Journal of Open Source Software*, 1(6):63:1, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00063`.

**Gasparini:2018:PCR**

[Gas18a] Alessandro Gasparini. `comorbidity`: An R package for computing comorbidity scores. *Journal of Open Source Software*, 3(23):648:1–648:3, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00648`.

**Gasparini:2018:PRS**

[Gas18b] Alessandro Gasparini. `rsimsum`: Summarise results from Monte Carlo simulation studies. *Journal of Open Source Software*, 3(26):739:1–739:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00739`.

**Goyal:2018:PGP**

[GF18] Palash Goyal and Emilio Ferrara. `GEM`: A Python package for graph embedding methods. *Journal of Open Source Software*, 3(29):876:1–876:2, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00876`.

**Germonprez:2016:PDS**

[GGKG16] Matt Germonprez, Thomas Gurney, Sai Uday Shankar Korlimarla, and Robin Gandhi. `DoSOCS`: A system for `SPDX 2.0` document creation and storage. *Journal of Open Source Software*, 1(7):38:1, November 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00038`.

**Ghoshal:2017:PFF**

[GHF+17] Devarshi Ghoshal, Valerie Hendrix, William Fox, Sowmya Balasubhramanian, and Lavanya Ramakrishnan. `FRIEDA`: Flexible robust intelligent elastic data management framework. *Journal of Open Source Software*, 2(10):164:1–164:3, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00164`.

**Ginn:2018:PQR**

[Gin18] Jasper Ginn. `qualtRics`: retrieve survey data using the Qualtrics API. *Journal of Open

*Source Software*, 3(24):690:1, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00690`.

**Ganose:2018:PSC**

[GJS18] Alex M. Ganose, Adam J. Jackson, and David O. Scanlon. `sumo`: Command-line tools for plotting and analysis of periodic ab initio calculations. *Journal of Open Source Software*, 3(28):717:1–717:3, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00717`.

**Giraud:2016:PCC**

[GL16] Timothée Giraud and Nicolas Lambert. `cartography`: Create and integrate maps in your R workflow. *Journal of Open Source Software*, 1(4):54:1–54:2, August 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00054`.

**Goldsmith:2016:PVC**

[Gol16] Jeff Goldsmith. `vbvs.concurrent`: Fitting methods for the functional linear concurrent model. *Journal of Open Source Software*, 1(8):141:1, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00141`.

**Govan:2018:PBI**

[Gov18] Paul B. Govan. `BayesianNetwork`: Interactive Bayesian network modeling and analysis. *Journal of Open Source Software*, 3(21):425:1–425:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00425`.

**Gray:2018:PQP**

[Gra18] Johnnie Gray. `quimb`: A python package for quantum information and many-body calculations. *Journal of Open Source Software*, 3(29):819:1–819:3, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00819`.

**Greenhill:2016:PPP**

[Gre16] Simon J. Greenhill. `Phylogemetric`: A Python library for calculating phylogenetic network metrics. *Journal of Open Source Software*, 1(2):28:1, June 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00028`.

**Green:2018:PDP**

[Gre18] Gregory M. Green. `dustmaps`: A Python interface for maps of interstellar dust. *Journal of Open Source Software*, 3(26):695:1–695:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://`

joss.theoj.org/papers/10.21105/joss.00695.

**Grieve:2017:PSE**

[Gri17] Stuart W. D. Grieve. `spatial-efd`: A spatial-aware implementation of elliptical Fourier analysis. *Journal of Open Source Software*, 2(11):189:1–189:2, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00189`.

**Gerosa:2017:PFA**

[GV17] Davide Gerosa and Michele Vallisneri. `filltex`: Automatic queries to ADS and INSPIRE databases to fill LaTex bibliography. *Journal of Open Source Software*, 2(13):222:1, May 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00222`.

**Garay:2018:PCA**

[GVM18] Pablo G. Garay, Jorge A. Vila, and Osvaldo A. Martin. `CheSweet`: An application to predict glycan's chemicals shifts. *Journal of Open Source Software*, 3(21):488:1–488:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00488`.

**Gieseke:2018:PPP**

[GWM18] Robert Gieseke, Sven N. Willner, and Matthias Mengel. `Pymagicc`: A Python wrapper for the simple climate model MAGICC. *Journal of Open Source Software*, 3(22):516:1–516:3, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00516`.

**Goldbaum:2018:PUH**

[GZT+18] Nathan J. Goldbaum, John A. ZuHone, Matthew J. Turk, Kacper Kowalik, and Anna L. Rosen. `unyt`: Handle, manipulate, and convert data with units in Python. *Journal of Open Source Software*, 3(28):809:1–809:11, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00809`.

**Haghighi:2017:PPP**

[Hag17] Sepand Haghighi. `Pyrgg`: Python Random Graph Generator. *Journal of Open Source Software*, 2(17):331:1–331:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00331`.

**Haghighi:2018:POO**

[HAHR18] Sepand Haghighi, Kasra Askari, Sarmin Hamidi, and Mohammad Mahdi Rahimi. `OPEM`: Open source PEM cell simulation tool. *Journal of Open Source Software*, 3(27):676:1–676:4, July 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00676`.

**Halterman:2017:PMF**

[Hal17] Andrew Halterman. `Mordecai`: Full text geoparsing and event geocoding. *Journal of Open Source Software*, 2(9):91:1, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00091`.

**Handley:2018:PFP**

[Han18] Will Handley. `fgivenx`: A Python package for functional posterior plotting. *Journal of Open Source Software*, 3(28):849:1–849:4, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00849`.

**Harris:2017:EUP**

[Har17a] David J. Harris. An easy-to-use `p5.js` 3D object picker for visual artists. *Journal of Open Source Software*, 2(20):475:1–475:2, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00475`.

**Harrison:2017:PVA**

[Har17b] Paul Francis Harrison. `Varistran`: Anscombe's variance stabilizing transformation for RNA-seq gene expression data. *Journal of Open Source Software*, 2 (16):257:1, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00257`.

**Holtgrewe:2016:PVP**

[HB16] Manuel Holtgrewe and Dieter Beule. `VCFPy`: a Python 3 library with good support for both reading and writing VCF. *Journal of Open Source Software*, 1(6):85:1, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00085`.

**Hejazi:2017:PBT**

[HCH17] Nima S. Hejazi, Weixin Cai, and Alan E. Hubbard. `biotmle`: Targeted learning for biomarker discovery. *Journal of Open Source Software*, 2(15):295:1–295:4, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00295`.

**Hiebert:2018:PCC**

[HCM+18] James Hiebert, Alex J. Cannon, Trevor Murdock, Stephen Sobie, and Arelia Werner. `ClimDown`: Climate downscaling in R. *Journal of Open Source Software*, 3(22):360:1, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00360`.

**Hobson:2017:PDR**

[HDL17] Tanner C. Hobson, Mathieu Doucet, and Ricardo M. Ferraz Leal. `Django` remote submission. *Journal of Open Source Software*, 2(16):366:1–366:2, August 2017. CODEN ????

ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00366`.

**Hermes:2017:HBC**

[Her17] Danny Hermes. Helper for bézier curves, triangles, and higher order objects. *Journal of Open Source Software*, 2(16):267:1–267:3, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00267`.

**Hernandez:2016:PXP**

[HF16] Guillermo Hernández and Francisco Fernández. `xpecgen`: A program to calculate X-ray spectra generated in tungsten anodes. *Journal of Open Source Software*, 1(7):62:1–62:2, November 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00062`.

**Heusser:2017:PQP**

[HFF+17] Andrew C. Heusser, Paxton C. Fitzpatrick, Campbell E. Field, Kirsten Ziman, and Jeremy R. Manning. `Quail`: A Python toolbox for analyzing and plotting free recall data. *Journal of Open Source Software*, 2(18):424:1–424:2, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00424`.

**Harpole:2016:PRR**

[HH16] Alice Harpole and Ian Hawke. `R3D2`: Relativistic Reactive Riemann problem solver for Deflagrations and Detonations. *Journal of Open Source Software*, 1(1):16:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00016`.

**Holmgren:2018:PPP**

[HHM18] William F. Holmgren, Clifford W. Hansen, and Mark A. Mikofski. `pvlib python`: a python package for modeling solar energy systems. *Journal of Open Source Software*, 3(29):884:1–884:3, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00884`.

**Hernandez:2017:PMD**

[HHSP17] Carlos X. Hernández, Matthew P. Harrigan, Mohammad M. Sultan, and Vijay S. Pande. `MSMExplorer`: Data visualizations for biomolecular dynamics. *Journal of Open Source Software*, 2(12):188:1–188:2, April 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00188`.

**Higgins:2017:PVF**

[HHV17] Joshua Higgins, Violeta Holmes, and Colin Venters. `VCC`: A framework for building containerized reproducible cluster

software environments. *Journal of Open Source Software*, 2 (11):208:1, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00208`.

**Hickey:2016:RMG**

[Hic16] Peter F. Hickey. Representation and manipulation of genomic tuples in R. *Journal of Open Source Software*, 1(1): 20:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00020`.

**Hinton:2016:PC**

[Hin16] Samuel Hinton. `ChainConsumer`. *Journal of Open Source Software*, 1(4):45:1–45:2, August 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00045`.

**Hirsch:2018:PPD**

[Hir18] Michael Hirsch. `PyMap3D`: 3-D coordinate conversions for terrestrial and geospace environments. *Journal of Open Source Software*, 3(23):580:1–580:2, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00580`.

**Hudak:2018:OOW**

[HJC+18] Dave Hudak, Doug Johnson, Alan Chalker, Jeremy Nicklas, Eric Franz, Trey Dockendorf, and Brian L. McMichael. Open OnDemand: A web-based client portal for HPC centers. *Journal of Open Source Software*, 3(25):622:1–622:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00622`.

**Haghighi:2018:PPM**

[HJHZ18] Sepand Haghighi, Masoomeh Jasemi, Shaahin Hessabi, and Alireza Zolanvari. `PyCM`: Multi-class confusion matrix library in Python. *Journal of Open Source Software*, 3(25):729:1–729:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00729`.

**Hazelton:2017:PPI**

[HJPB17] Bryna J. Hazelton, Daniel C. Jacobs, Jonathan C. Pober, and Adam P. Beardsley. `pyuvdata`: an interface for astronomical interferometeric datasets in python. *Journal of Open Source Software*, 2(10):140:1, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00140`.

**Hoffimann:2018:PGJ**

[Hof18] Júlio Hoffimann. `GeoStats.jl` — high-performance geostatistics in Julia. *Journal of Open Source Software*, 3(24): 692:1–692:4, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.`

org/papers/10.21105/joss.00692.

**Honorato:2016:PCP**

[Hon16] Rodrigo V. Honorato. CAZy-parser: a way to extract information from the Carbohydrate-Active enZYmes database. *Journal of Open Source Software*, 1(8):53:1, December 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00053.

**Honkonen:2017:HDI**

[Hon17] Ilja Honkonen. High-dimensional integrator. *Journal of Open Source Software*, 2(20):437:1, December 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00437.

**Hope:2017:PIM**

[Hop17] Gaute Hope. IBCAO_py: a matplotlib library for using the international bathymetric chart of the arctic ocean with cartopy and matplotlib. *Journal of Open Source Software*, 2(13):250:1–250:2, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00250.

**Howard:2017:VBA**

[How17] James P. Howard II. Virtual bumblebees artificial life simulation. *Journal of Open Source Software*, 2(13):256:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00256.

**Howard:2018:PAR**

[How18] James P. Howard II. Phonetic algorithms in R. *Journal of Open Source Software*, 3(22):480:1–480:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00480.

**Hernandez:2017:PMI**

[HP17] Carlos X. Hernández and Vijay S. Pande. MDEntropy: Information-theoretic analyses for molecular dynamics. *Journal of Open Source Software*, 2(19):427:1–427:2, November 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00427.

**Hagan:2018:PPO**

[HTT18] David H. Hagan, Andrew Tolmie, and Jakub Trochim. py-opc: operate the Alphasense OPC-N2 from a raspberry pi or other popular microcontrollers/microcomputers. *Journal of Open Source Software*, 3(26):782:1–782:2, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00782.

**Herman:2017:PSO**

[HU17] Jon Herman and Will Usher. SALib: An open-source Python

library for sensitivity analysis. *Journal of Open Source Software*, 2(9):97:1–97:2, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00097`.

**Hucka:2018:PNN**

[Huc18a] Michael Hucka. `Nostril`: A nonsense string evaluator written in Python. *Journal of Open Source Software*, 3(25):596:1–596:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00596`.

**Hucka:2018:PSS**

[Huc18b] Michael Hucka. `Spiral`: splitters for identifiers in source code files. *Journal of Open Source Software*, 3(24):653:1–653:3, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00653`.

**Hughes:2016:PPR**

[Hug16] Sean M. Hughes. `plater`: Read, tidy, and display data from microtiter plates. *Journal of Open Source Software*, 1(7):106:1, November 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00106`.

**Hughes:2018:PMP**

[Hug18] Momar G-O Hughes. `MCycle`: A Python package for 1D sizing and analysis of thermodynamic power cycles. *Journal of Open Source Software*, 3(28):710:1–710:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00710`.

**Ibarra-Espinosa:2018:PER**

[IESdF18] Sergio Ibarra-Espinosa, Daniel Schuch, and Edmilson Dias de Freitas. `eixport`: An R package to export emissions to atmospheric models. *Journal of Open Source Software*, 3(24):607:1–607:4, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00607`.

**Innes:2018:PFE**

[Inn18] Mike Innes. `Flux`: Elegant machine learning with Julia. *Journal of Open Source Software*, 3(25):602:1, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00602`.

**Iravanian:2018:PFT**

[Ira18] Shahriar Iravanian. `fib-tf`: A TensorFlow-based cardiac electrophysiology simulator. *Journal of Open Source Software*, 3(26):719:1–719:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00719`.

**Izzo:2018:VMT**

[ISMA18] Richard Izzo, David Steinman, Simone Manini, and Luca Antiga. The vascular modeling toolkit: A Python library for the analysis of tubular structures in medical images. *Journal of Open Source Software*, 3(25):745:1–745:5, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00745`.

**Jacobs:2016:PGR**

[JA16] Christian T. Jacobs and Alexandros Avdis. `Git-RDM`: A research data management plugin for the Git version control system. *Journal of Open Source Software*, 1(2):29:1–29:2, June 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00029`.

**Jensen:2017:POA**

[JCS17] Kristian Jensen, Joao G. R. Cardoso, and Nikolaus Sonnenschein. `Optlang`: An algebraic modeling language for mathematical optimization. *Journal of Open Source Software*, 2(9):139:1, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00139`.

**James:2018:PDP**

[JEC18] Ryan G. James, Christopher J. Ellison, and James P. Crutchfield. `dit`: a Python package for discrete information theory. *Journal of Open Source Software*, 3(25):738:1–738:3, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00738`.

**Jimenez:2017:PPB**

[JG17] José Jiménez and Josep Ginebra. `pyGPGO`: Bayesian optimization for Python. *Journal of Open Source Software*, 2(19):431:1–431:3, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00431`.

**Jackson:2018:PGB**

[JGR+18] Adam J. Jackson, Alex M. Ganose, Anna Regoutz, Russell G. Egdell, and David O. Scanlon. `Galore`: Broadening and weighting for simulation of photoelectron spectroscopy. *Journal of Open Source Software*, 3(26):773:1–773:6, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00773`.

**Jones:2016:PEE**

[JL16] Zachary M. Jones and Fridolin J. Linder. `edarf`: Exploratory Data Analysis using Random Forests. *Journal of Open Source Software*, 1(6):92:1–92:4, October 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.`

org/papers/10.21105/joss.00092.

**Jones:2018:PLL**

[JNM18] Andrew T. Jones, Hien D. Nguyen, and Geoffrey J. McLachlan. `logKDE`: log-transformed kernel density estimation. *Journal of Open Source Software*, 3(28):870:1–870:3, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00870`.

**Joyce:2017:PLI**

[Joy17] P. James Joyce. `Lcopt` — an interactive tool for creating fully parameterised life cycle assessment (LCA) foreground models. *Journal of Open Source Software*, 2(16):339:1, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00339`.

**Kortschak:2017:PBN**

[KA17] R. Daniel Kortschak and David L. Adelson. `bíogo/ncbi`: interfaces to NCBI services for the Go language. *Journal of Open Source Software*, 2(18):234:1–234:2, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00234`.

**Kane:2017:PBR**

[Kan17] Michael Kane. `bittrex`: An R client for the Bittrex Crypto-Currency Exchange. *Journal of Open Source Software*, 2(17):402:1, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00402`.

**Karpel:2018:PIG**

[Kar18] Joshua T. Karpel. `IDESolver`: a general purpose integro-differential equation solver. *Journal of Open Source Software*, 3(21):542:1–542:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00542`.

**Krebber:2018:PMP**

[KB18] Manuel Krebber and Henrik Barthels. `MatchPy`: Pattern matching in Python. *Journal of Open Source Software*, 3(26):670:1–670:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00670`.

**Kearney:2017:PEM**

[Kea17] Kelly A. Kearney. `ecopath_matlab`: A Matlab-based implementation of the Ecopath food web algorithm. *Journal of Open Source Software*, 2(9):64:1–64:2, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00064`.

**Klebel:2018:PJI**

[Kle18] Thomas Klebel. `jstor`: Import and analyse data from scientific texts. *Journal of Open Source Software*, 3(28):883:1–883:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00883`.

**Kessler:2017:PEL**

[KM17a] Travis Kessler and John Hunter Mack. `ECNet`: Large scale machine learning projects for fuel property prediction. *Journal of Open Source Software*, 2(17):401:1–401:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00401`.

**Kleinberg:2017:WBT**

[KM17b] Bennett Kleinberg and Maximilian Mozes. Web-based text anonymization with `Node.js`: Introducing NETANOS (Named entity-based Text Anonymization for Open Science). *Journal of Open Source Software*, 2(14):293:1–293:2, June 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00293`.

**Krishnan:2017:PCG**

[KMB17] Anush Krishnan, Olivier Mesnard, and Lorena A. Barba. `cuIBM`: a GPU-based immersed boundary method code. *Journal of Open Source Software*, 2(15):301:1, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00301`.

**Kironde:2017:PRD**

[KMG+17] Henry Kironde, Benjamin D. Morris, Akash Goel, Andrew Zhang, Akshay Narasimha, Shivam Negi, David J. Harris, Deborah Gertrude Digges, Kapil Kumar, Amritanshu Jain, Kunal Pal, Kevinkumar Amipara, Prabh Simran Singh Baweja, and Ethan P. White. `Retriever`: Data retrieval tool. *Journal of Open Source Software*, 2(19):451:1, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00451`.

**Kortschak:2018:PAG**

[Kor18] R. Daniel Kortschak. `arrgh`: a Go interface to the OpenCPU R server system. *Journal of Open Source Software*, 3(21):517:1, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00517`.

**Kortschak:2017:PBH**

[KPA17] R. Daniel Kortschak, Brent S. Pedersen, and David L. Adelson. `bíogo/hts`: high throughput sequence handling for the Go language. *Journal of Open Source Software*, 2(10):168:1, February 2017. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00168.

**Kamppi:2017:PKG**

[KPV+17] Antti Kamppi, Esko Pekkarinen, Janne Virtanen, Joni-Matti Määttä, Juho Järvinen, Lauri Matilainen, Mikko Teuho, and Timo D. Hämäläinen. Kactus2: A graphical EDA tool built on the IP-XACT standard. *Journal of Open Source Software*, 2(13):151:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00151.

**Kortschak:2017:PBS**

[KSMA17] R. Daniel Kortschak, Josh Bleecher Snyder, Manolis Maragkakis, and David L. Adelson. bíogo: a simple high-performance bioinformatics toolkit for the Go language. *Journal of Open Source Software*, 2(10):167:1, February 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00167.

**LaZerte:2018:PWD**

[LA18] Stefanie E. LaZerte and Sam Albers. weathercan: Download and format weather data from Environment and Climate Change Canada. *Journal of Open Source Software*, 3(22):571:1–571:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00571.

**Landau:2018:PDR**

[Lan18] William Michael Landau. The drake R package: a pipeline toolkit for reproducibility and high-performance computing. *Journal of Open Source Software*, 3(21):550:1, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00550.

**Laros:2018:GBF**

[Lar18] Jeroen F. J. Laros. General binary file parser. *Journal of Open Source Software*, 3(26):766:1, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00766.

**Latham:2017:PAM**

[Lat17] Shane J. Latham. array_split: Multi-dimensional array partitioning. *Journal of Open Source Software*, 2(17):373:1–373:2, September 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00373.

**Lauwens:2017:PRC**

[Lau17] Ben Lauwens. ResumableFunctions: C# sharp style generators for Julia. *Journal of Open Source Software*, 2(18):400:1–400:2, October 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00400.

**Laurinec:2018:PTR**

[Lau18] Peter Laurinec. `TSrepr` R package: Time series representations. *Journal of Open Source Software*, 3(23):577:1–577:2, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00577`.

**Lockley:2017:PXE**

[LBČ17] Steve Lockley, Claudio Benghi, and Martin Černý. `Xbim.Essentials`: a library for interoperable building information applications. *Journal of Open Source Software*, 2(20):473:1–473:3, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00473`.

**Lang:2017:PBT**

[LBS17] Michel Lang, Bernd Bischl, and Dirk Surmann. `batchtools`: Tools for R to work on batch systems. *Journal of Open Source Software*, 2(10):135:1–135:2, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00135`.

**Louppe:2016:PCL**

[LCP16] Gilles Louppe, Kyle Cranmer, and Juan Pavez. `carl`: a likelihood-free inference toolbox. *Journal of Open Source Software*, 1(1):11:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00011`.

**LeBeau:2018:PHC**

[LeB18a] Brandon LeBeau. `highlightHTML`: CSS formatting of R Markdown documents. *Journal of Open Source Software*, 3(21):185:1–185:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00185`.

**LeBeau:2018:PPS**

[LeB18b] Brandon LeBeau. `pdfsearch`: Search tools for PDF files. *Journal of Open Source Software*, 3(27):668:1–668:2, July 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00668`.

**Lee:2016:PFF**

[Lee16] Seward Lee. `finreportr`: Financial data from U.S. Securities and Exchange Commission. *Journal of Open Source Software*, 1(8):119:1, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00119`.

**Levy:2016:PGI**

[Lev16] Michael A. Levy. `gwdegree`: Improving interpretation of geometrically-weighted degree estimates in exponential random graph models. *Journal of Open Source Software*, 1(3):36:1, July 2016. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00036.

**Lee:2018:PDD**

[LGH+18] Jeongseok Lee, Michael X. Grey, Sehoon Ha, Tobias Kunz, Sumit Jain, Yuting Ye, Siddhartha S. Srinivasa, Mike Stilman, and C. Karen Liu. DART: Dynamic animation and robotics toolkit. *Journal of Open Source Software*, 3(22):500:1–500:3, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00500.

**Lindsay:2018:PMF**

[LH18] Alexander Lindsay and Kathryn Huff. Moltres: finite element based simulation of molten salt reactors. *Journal of Open Source Software*, 3(21):298:1–298:2, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00298.

**Light:2017:PMS**

[Lig17] Roger A. Light. Mosquitto: server and client implementation of the MQTT protocol. *Journal of Open Source Software*, 2(13):265:1–265:2, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00265.

**Lin:2018:PMP**

[LIK18] Jiao Y. Y. Lin, Fahima Islam, and Max Kresh. Multiphonon: Phonon density of states tools for inelastic neutron scattering powder data. *Journal of Open Source Software*, 3(21):440:1–440:2, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00440.

**Ludecke:2018:PGT**

[Lüd18a] Daniel Lüdecke. ggeffects: Tidy data frames of marginal effects from regression models. *Journal of Open Source Software*, 3(26):772:1–772:5, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00772.

**Ludecke:2018:PSD**

[Lüd18b] Daniel Lüdecke. sjmisc: Data and variable transformation functions. *Journal of Open Source Software*, 3(26):754:1–754:2, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00754.

**Madan:2016:PPM**

[Mad16] Christopher R. Madan. Prism: Multiple spline regression with regularization, dimensionality reduction, and feature selection. *Journal of Open Source Software*, 1(3):31:1–31:3, July 2016. CODEN ???? ISSN

2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00031.

**Makela:2016:PIL**

[Mäk16] Eetu Mäkelä. LAS: an integrated language analysis tool for multiple languages. *Journal of Open Source Software*, 1(6):35:1–35:2, October 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00035.

**Makowski:2018:PPP**

[Mak18] Dominique Makowski. The psycho package: an efficient and publishing-oriented workflow for psychological science. *Journal of Open Source Software*, 3(22):470:1–470:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00470.

**Margolis:2017:PSP**

[Mar17] Benjamin W. L. Margolis. SimuPy: A Python framework for modeling and simulating dynamical systems. *Journal of Open Source Software*, 2(17):396:1, September 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00396.

**Mayer:2017:PNP**

[May17] Andreas Mayer. Noisyopt: A Python library for optimizing noisy functions. *Journal of Open Source Software*, 2(13):258:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00258.

**Mahar:2017:PHP**

[MB17a] Sara Mahar and Matthew Bellis. hmis: A python tool to visualize and analyze HMIS data. *Journal of Open Source Software*, 2(18):384:1–384:2, October 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00384.

**Murray:2017:PLC**

[MB17b] Kevin D. Murray and Justin O. Borevitz. libqcpp: A C++14 sequence quality control library. *Journal of Open Source Software*, 2(13):232:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00232.

**Mullen:2018:PUH**

[MB18] Lincoln A. Mullen and Jordan Bratt. USAboundaries: Historical and contemporary boundaries of the United States of America. *Journal of Open Source Software*, 3(23):314:1–314:2, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00314.

**Mullen:2018:FCT**

[MBK+18] Lincoln A. Mullen, Kenneth Benoit, Os Keyes, Dmitry Se-

livanov, and Jeffrey Arnold. Fast, consistent tokenization of natural language text. *Journal of Open Source Software*, 3(23):655:1–655:3, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00655`.

**Molnar:2018:PIR**

[MCB18] Christoph Molnar, Giuseppe Casalicchio, and Bernd Bischl. `iml`: An R package for interpretable machine learning. *Journal of Open Source Software*, 3(26):786:1–786:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00786`.

**McFee:2016:PRE**

[McF16] Brian McFee. `resampy`: efficient sample rate conversion in Python. *Journal of Open Source Software*, 1(8):125:1, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00125`.

**McLean:2017:PRI**

[McL17] Mathew W. McLean. `RefManageR`: Import and manage BibTeX and BibLaTeX references in R. *Journal of Open Source Software*, 2(16):338:1–338:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00338`.

**Makowski:2017:PNP**

[MD17] Dominique Makowski and Léo Dutriaux. `Neuropsydia.py`: A Python module for creating experiments, tasks and questionnaires. *Journal of Open Source Software*, 2(19):259:1–259:2, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00259`.

**Morris:2018:PAA**

[MDW18] Brett M. Morris and Trevor Dorn-Wallenstein. `aesop`: ARC Echelle Spectroscopic Observation Pipeline. *Journal of Open Source Software*, 3(28):854:1, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00854`.

**Marzolin:2018:FGG**

[MG18a] Gilbert Marzolin and Olivier Gimenez. Fitting a Gamma–Gompertz survival model to capture-recapture data collected on free-ranging animal populations. *Journal of Open Source Software*, 3(21):216:1–216:3, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00216`.

**Mikhael:2018:PMM**

[MG18b] Shadia Mikhael and Calum Gray. `Masks2Metrics (M2M)`: A Matlab toolbox for gold standard morphometrics. *Jour-*

*nal of Open Source Software*, 3(22):436:1–436:3, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00436`.

**Moore:2018:PSS**

[MH18] Jason K. Moore and Mont Hubbard. `skijumpdesign`: A ski jump design tool for specified equivalent fall height. *Journal of Open Source Software*, 3(28):818:1–818:3, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00818`.

**McInnes:2017:PHH**

[MHA17] Leland McInnes, John Healy, and Steve Astels. `hdbscan`: Hierarchical density based clustering. *Journal of Open Source Software*, 2(11):205:1–205:2, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00205`.

**McGibbon:2016:POH**

[MHH+16] Robert T. McGibbon, Carlos X. Hernández, Matthew P. Harrigan, Steven Kearnes, Mohammad M. Sultan, Stanisław Jastrzebski, Brooke E. Husic, and Vijay S. Pande. `Osprey`: Hyperparameter optimization for machine learning. *Journal of Open Source Software*, 1(5):34:1–34:2, September 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00034`.

**McInnes:2018:PUU**

[MHSG18] Leland McInnes, John Healy, Nathaniel Saul, and Lukas Großberger. `UMAP`: Uniform manifold approximation and projection. *Journal of Open Source Software*, 3(29):861:1–861:2, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00861`.

**Miranda:2018:PPR**

[Mir18] Lester James V. Miranda. `PySwarms`: a research toolkit for particle swarm optimization in Python. *Journal of Open Source Software*, 3(21):433:1–433:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00433`.

**Malengier:2018:POH**

[MKT+18] Benny Malengier, Pavol Kišon, James Tocknell, Claas Abert, Florian Bruckner, and Marc-Antonio Bisotti. `ODES`: a high level interface to ODE and DAE solvers. *Journal of Open Source Software*, 3(22):165:1–165:2, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00165`.

**Madnani:2016:PRC**

[ML16] Nitin Madnani and Anastassia Loukina. `RSMTool`: collection of tools building and evaluating automated scoring models. *Journal of Open Source Software*, 1(3):33:1, July 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00033`.

**Moerman:2018:PGG**

[Moe18] Kevin M. Moerman. `GIBBON`: The Geometry and Image-Based Bioengineering add-On. *Journal of Open Source Software*, 3(22):506:1–506:4, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00506`.

**Morgan:2017:PBB**

[Mor17a] Benjamin J. Morgan. `bsym`: A basic symmetry module. *Journal of Open Source Software*, 2(16):370:1–370:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00370`.

**Morgan:2017:PLP**

[Mor17b] Benjamin J. Morgan. `lattice_mc`: A Python lattice-gas Monte Carlo module. *Journal of Open Source Software*, 2(13):247:1–247:2, May 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00247`.

**Moritz:2017:TDS**

[Mor17c] Dominik Moritz. Text detection in screen images with a convolutional neural network. *Journal of Open Source Software*, 2(15):235:1, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00235`.

**Morel:2018:PGG**

[Mor18] Pierre Morel. `Gramm`: grammar of graphics plotting in Matlab. *Journal of Open Source Software*, 3(23):568:1–568:4, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00568`.

**McCormick:2017:PSS**

[MPFRA17] Matthew M. McCormick, Mark L. Palmeri, Jean-Christophe Fillion-Robin, and Stephen Aylward. `SlicerITKUltrasound`: A 3D slicer extension for scan conversion of B-mode and next-generation ultrasound imaging modalities. *Journal of Open Source Software*, 2(10):153:1, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00153`.

**Mogensen:2018:POM**

[MR18a] Patrick K. Mogensen and Asbjørn N. Riseth. `Optim`: A mathematical optimization package for Julia. *Journal of Open Source Software*, 3(24):615:1–615:3, April

2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00615.

**Mulryne:2018:PPP**

[MR18b] David J. Mulryne and John W. Ronayne. PyTransport: A Python package for the calculation of inflationary correlation functions. *Journal of Open Source Software*, 3(23):494:1–494:2, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00494.

**Michaels:2016:PHR**

[MS16] Jonathan A. Michaels and Hansjörg Scherberger. hebbRNN: A reward-modulated Hebbian learning rule for recurrent neural networks. *Journal of Open Source Software*, 1(5):60:1–60:2, September 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00060.

**McGinnis:2018:CEP**

[MSSH18] William D. McGinnis, Chapman Siu, Andre S., and Hanyu Huang. Category encoders: a scikit-learn-contrib package of transformers for encoding categorical data. *Journal of Open Source Software*, 3(21):501:1–501:2, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00501.

**Murray:2018:PPP**

[Mur18] Steven G. Murray. powerbox: A Python package for creating structured fields with isotropic power spectra. *Journal of Open Source Software*, 3(28):850:1–850:2, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00850.

**Mutel:2017:PBO**

[Mut17a] Chris Mutel. Brightway: An open source framework for life cycle assessment. *Journal of Open Source Software*, 2(12):236:1–236:2, April 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00236.

**Mutel:2017:PPG**

[Mut17b] Chris Mutel. Pandarus: GIS toolkit for regionalized life cycle assessment. *Journal of Open Source Software*, 2(13):244:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00244.

**Moore:2018:POS**

[MvdB18] Jason K. Moore and Antonie van den Bogert. opty: Software for trajectory optimization and parameter identification using direct collocation. *Journal of Open Source Software*, 3(21):300:1–300:4, January 2018. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00300.

**Mirzaev:2018:PEP**

[MWS18] Inom Mirzaev, Drew F. K. Williamson, and Jacob G. Scott. egtplot: A Python package for three-strategy evolutionary games. *Journal of Open Source Software*, 3(26):735:1–735:4, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00735.

**Mount:2018:PVR**

[MZ18] John Mount and Nina Zumel. The vtreat R package: a statistically sound data processor for predictive modeling. *Journal of Open Source Software*, 3(23):584:1–584:2, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00584.

**Nunez-Elizalde:2018:PCS**

[NEGZG18] Anwar O. Nunez-Elizalde, James S. Gao, Tianjiao Zhang, and Jack L. Gallant. cottoncandy: scientific python package for easy cloud storage. *Journal of Open Source Software*, 3(28):890:1–890:2, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00890.

**Naecker:2017:PPP**

[NMGB17] Benjamin Naecker, Niru Maheswaranathan, Surya Ganguli, and Stephen Baccus. Pyret: A Python package for analysis of neurophysiology data. *Journal of Open Source Software*, 2(9):137:1, January 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00137.

**Nolan:2017:PFR**

[NPP17] Rory Nolan and Sergi Padilla-Parra. filesstrings: An R package for file and string manipulation. *Journal of Open Source Software*, 2(14):260:1–260:2, June 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00260.

**Nolan:2018:PIR**

[NPP18] Rory Nolan and Sergi Padilla-Parra. ijtiff: An R package providing TIFF I/O for ImageJ users. *Journal of Open Source Software*, 3(23):633:1–633:2, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00633.

**Neches:2018:PSF**

[NS18] Russell Y. Neches and Camille Scott. SuchTree: Fast, thread-safe computations with phylogenetic trees. *Journal of Open Source Software*, 3(27):678:1–678:3, July 2018. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00678.

**Norris:2017:PPA**

[NSB17] Clayton Norris, Philip Schrodt, and John Beieler. PETRARCH2: Another event coding program. *Journal of Open Source Software*, 2(9):133:1, January 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00133.

**Niskanen:2017:PAT**

[NSL17] Julia Niskanen, Elina Salmela, and Hannes Lohi. AncesTrim — a tool for trimming complex pedigrees. *Journal of Open Source Software*, 2(11):179:1, March 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00179.

**Okada:2017:FGI**

[OCT+17] Ai Okada, Kenichi Chiba, Hiroko Tanaka, Satoru Miyano, and Yuichi Shiraishi. A framework for generating interactive reports for cancer genome analysis. *Journal of Open Source Software*, 2(20):457:1–457:4, December 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00457.

**Odell:2018:PNA**

[Ode18] Evan Odell. nomisr: Access Nomis UK labour market data. *Journal of Open Source Software*, 3(27):859:1–859:2, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00859.

**Owan:2018:PCO**

[ODP18] Parker Owan, Cameron Devine, and W. Tony Piaskowy. CoreRobotics: An object-oriented C++ library with cross-language wrappers for cross-platform robot control. *Journal of Open Source Software*, 3(22):489:1–489:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00489.

**Ortiz-Gil:2018:MFC**

[OGBC18] Amelia Ortiz-Gil and Jordi Burguet-Castell. Mapelia and friends: create 3D models from maps. *Journal of Open Source Software*, 3(25):660:1–660:2, May 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00660.

**Oliver:2018:PCW**

[OSS18] Hilary J. Oliver, Matthew Shin, and Oliver Sanders. Cylc: A workflow engine for cycling systems. *Journal of Open Source Software*, 3(27):737:1–737:2, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00737.

**Ostrouchov:2018:PPA**

[OZW18] Christopher Ostrouchov, Yanwen Zhang, and William J. Weber. `pysrim`: Automation, analysis, and plotting of SRIM calculations. *Journal of Open Source Software*, 3(28):829:1–829:3, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00829`.

**Pastell:2017:PWJ**

[Pas17] Matti Pastell. `Weave.jl`: Scientific reports using Julia. *Journal of Open Source Software*, 2(11):204:1, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00204`.

**Pearse:2018:PSD**

[PC18] William D. Pearse and Scott A. Chamberlain. `Suppdata`: Downloading supplementary data from published manuscripts. *Journal of Open Source Software*, 3(25):721:1–721:2, May 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00721`.

**Padgham:2017:PB**

[PE17] Mark Padgham and Richard Ellison. `bikedata`. *Journal of Open Source Software*, 2(20):471:1, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00471`.

**Page:2017:PSF**

[PHSK17] Andrew J. Page, Martin Hunt, Torsten Seemann, and Jacqueline A. Keane. `SaffronTree`: Fast, reference-free pseudo-phylogenomic trees from reads or contigs. *Journal of Open Source Software*, 2(13):243:1–243:2, May 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00243`.

**Pitkin:2018:PPP**

[Pit18] Matthew Pitkin. `psrqpy`: a python interface for querying the ATNF pulsar catalogue. *Journal of Open Source Software*, 3(22):538:1–538:2, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00538`.

**Ponge:2016:EG**

[PLL+16] Julien Ponge, Yannick Loiseau, Frédéric Le Mouël, Nicolas Stouls, Philippe Charrière, Daniel Petisme, Sylvain Desgrais, and Franck Verrot. Eclipse Golo. *Journal of Open Source Software*, 1(8):93:1, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00093`.

**Padgham:2017:PO**

[PLSR17] Mark Padgham, Robin Lovelace, Maëlle Salmon, and Bob Rudis.

osmdata. *Journal of Open Source Software*, 2(14):305:1, June 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00305.

**Porter:2018:PJE**

[Por18] Michael T. Porter. js-emass: A flexible JavaScript implementation of the emass algorithm. *Journal of Open Source Software*, 3(28):869:1, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00869.

**Pfenninger:2018:PCM**

[PP18] Stefan Pfenninger and Bryn Pickering. Calliope: a multi-scale energy systems modelling framework. *Journal of Open Source Software*, 3(29):825:1–825:2, September 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00825.

**Polimis:2017:CIR**

[PRH17] Kivan Polimis, Ariel Rokem, and Bryna Hazelton. Confidence intervals for random forests in Python. *Journal of Open Source Software*, 2(19):124:1–124:4, November 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00124.

**Page:2016:PGP**

[PST+16] Andrew J. Page, Sascha Steinbiss, Ben Taylor, Torsten Seemann, and Jacqueline A. Keane. GFF3toEMBL: Preparing annotated assemblies for submission to EMBL. *Journal of Open Source Software*, 1(6):80:1, October 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00080.

**Page:2016:MST**

[PTK16] Andrew J. Page, Ben Taylor, and Jacqueline A. Keane. Multilocus sequence typing by blast from de novo assemblies against PubMLST. *Journal of Open Source Software*, 1(8):118:1–118:2, December 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00118.

**Price-Whelan:2017:PGP**

[PW17] Adrian M. Price-Whelan. Gala: A Python package for galactic dynamics. *Journal of Open Source Software*, 2(18):388:1–388:2, October 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00388.

**Price-Whelan:2017:PSU**

[PWFM17] Adrian M. Price-Whelan and Daniel Foreman-Mackey. schwimmbad: A uniform interface to parallel processing pools in Python.

*Journal of Open Source Software*, 2(17):357:1–357:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00357`.

**Raab:2016:PEU**

[Raa16] Markus Raab. `Elektra`: universal framework to access configuration parameters. *Journal of Open Source Software*, 1(8):44:1–44:2, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00044`.

**Raschka:2017:PBW**

[Ras17] Sebastian Raschka. `BioPandas`: Working with molecular structures in `pandas` DataFrames. *Journal of Open Source Software*, 2(14):279:1, June 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00279`.

**Raschka:2018:PMP**

[Ras18] Sebastian Raschka. `MLxtend`: Providing machine learning and data science utilities and extensions to Python's scientific computing stack. *Journal of Open Source Software*, 3(24):638:1–638:2, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00638`.

**Roubeyrie:2018:PWP**

[RC18] Lionel Roubeyrie and Sébastien Celles. `Windrose`: A Python `Matplotlib`, `Numpy` library to manage wind and pollution data, draw windrose. *Journal of Open Source Software*, 3(29):268:1–268:5, September 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00268`.

**Rampin:2016:PRR**

[RCS+16] Rémi Rampin, Fernando Chirigati, Dennis Shasha, Juliana Freire, and Vicky Steeves. `ReproZip`: The reproducibility packer. *Journal of Open Source Software*, 1(8):107:1–107:3, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00107`.

**Reinecke:2018:PGF**

[Rei18] Robert Reinecke. `G`$^3$`M-f` a global gradient-based groundwater modelling framwork. *Journal of Open Source Software*, 3(22):548:1–548:2, February 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00548`.

**Renard:2017:PHO**

[Ren17] Philippe Renard. `Hytool`: an open source MATLAB toolbox for the interpretation of hydraulic tests using analytical solutions. *Journal of Open Source Software*,

2(19):441:1–441:3, November 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00441.

**Rognes:2017:PCA**

[RFF+17] Marie E. Rognes, Patrick E. Farrell, Simon W. Funke, Johan E. Hake, and Molly M. C. Maleckar. cbcbeat: an adjoint-enabled framework for computational cardiac electrophysiology. *Journal of Open Source Software*, 2(13):224:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00224.

**Ramasubramani:2018:PRP**

[RG18] Vyas Ramasubramani and Sharon C. Glotzer. rowan: A Python package for working with quaternions. *Journal of Open Source Software*, 3(27):787:1–787:3, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00787.

**Rodenhauser:2018:PPP**

[RGZ+18] Anton Rodenhauser, Wilson W. Good, Brian Zenger, Jess Tate, Kedar Aras, Brett Burton, and Rob S. MacLeod. PFEIFER: Preprocessing framework for electrograms intermittently fiducialized from experimental recordings. *Journal of Open Source Software*, 3(21):472:1–472:2, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00472.

**Reghenzani:2018:PCM**

[RMF18] Federico Reghenzani, Giuseppe Massari, and William Fornaciari. chronovise: Measurement-based probabilistic timing analysis framework. *Journal of Open Source Software*, 3(28):711:1–711:3, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00711.

**Romano:2017:PY**

[Rom17] Luca Romano. YoungTab. *Journal of Open Source Software*, 2(13):221:1, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00221.

**Rose:2018:PCP**

[Ros18] Brian E. J. Rose. CLIMLAB: a Python toolkit for interactive, process-oriented climate modeling. *Journal of Open Source Software*, 3(24):659:1–659:2, April 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00659.

**Rovigatti:2017:PFE**

[Rov17] Gabriele Rovigatti. Production function estimation in R: The prodest package. *Journal of Open Source*

*Software*, 2(18):371:1, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00371`.

**Roy:2018:PBS**

[RRD+18] Pamphile T. Roy, Sophie Ricci, Romain Dupuis, Robin Campet, Jean-Christophe Jouhaud, and Cyril Fournier. `BATMAN`: Statistical analysis for expensive computer codes made easy. *Journal of Open Source Software*, 3(21):493:1–493:2, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00493`.

**Raamana:2017:HWN**

[RS17a] Pradeep Reddy Raamana and Stephen C. Strother. Histogram-weighted networks for feature extraction, connectivity and advanced analysis in neuroscience. *Journal of Open Source Software*, 2(19):380:1–380:3, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00380`.

**Raamana:2017:PPC**

[RS17b] Pradeep Reddy Raamana and Stephen C. Strother. `Python` class defining a machine learning dataset ensuring key-based correspondence and maintaining integrity. *Journal of Open Source Software*, 2(17):382:1, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00382`.

**Sloan:2016:PGF**

[SAB+16] Zachary Sloan, Danny Arends, Karl W. Broman, Arthur Centeno, Nicholas Furlotte, Harm Nijveen, Lei Yan, Xiang Zhou, Robert W. Williams, and Pjotr Prins. `GeneNetwork`: framework for web-based genetics. *Journal of Open Source Software*, 1(2):25:1–25:3, June 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00025`.

**Standage:2017:PKR**

[SAC+17] Daniel Standage, Ali Aliyari, Lisa J. Cohen, Michael R. Crusoe, Tim Head, Luiz Irber, Shannon E. K. Joslin, N. B. Kingsley, Kevin D. Murray, Russell Neches, Camille Scott, Ryan Shean, Sascha Steinbiss, Cait Sydney, and C. Titus Brown. `khmer` release v2.1: software for biological sequence analysis. *Journal of Open Source Software*, 2(15):272:1–272:2, July 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00272`.

**Strozzi:2017:PPU**

[SB17] Francesco Strozzi and Raoul Jean Pierre Bonnal. `Pipengine`: an ultra light YAML-based pipeline execution engine. *Journal of Open Source Soft-*

*ware*, 2(16):341:1–341:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00341`.

**Schmeisser:2017:PER**

[SBL+17] Andre Schmeißer, Daniel Burkhart, Dominik Linn, Johannes Schnebele, Manuel Ettmüller, Simone Gramsch, and Walter Arne. `Ensight4Matlab`: read, process, and write files in EnSight(R) gold format from C++ or MATLAB(R). *Journal of Open Source Software*, 2(20):217:1, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00217`.

**Sanderson:2016:PAT**

[SC16] Conrad Sanderson and Ryan Curtin. `Armadillo`: a template-based C++ library for linear algebra. *Journal of Open Source Software*, 1(2):26:1–26:2, June 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00026`.

**Sanderson:2017:PGP**

[SC17] Conrad Sanderson and Ryan Curtin. `gmm_diag` and `gmm_full`: C++ classes for multi-threaded Gaussian mixture models and expectation-maximisation. *Journal of Open Source Software*, 2(18):365:1–365:2, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00365`.

**Scott:2017:PSI**

[Sco17] Camille Scott. `shmlast`: An improved implementation of conditional reciprocal best hits with LAST and Python. *Journal of Open Source Software*, 2(9):142:1–142:4, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00142`.

**Sousa:2018:PBR**

[SD18] David N. Sousa and João R. Daniel. `bor`: An R package for transforming behavioral observation records into data matrices. *Journal of Open Source Software*, 3(28):909:1–909:4, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00909`.

**Smith:2018:POP**

[SG18] Daniel G. A. Smith and Johnnie Gray. `opt_einsum` — a Python package for optimizing contraction order for einsum-like expressions. *Journal of Open Source Software*, 3(26):753:1–753:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00753`.

**Suess:2017:PMM**

[SH17] Daniel Suess and Milan Holzäpfel. `mpnum`: A matrix product representation library for Python. *Journal of Open Source Software*, 2(20):465:1–465:2, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00465`.

**Sparks:2017:PGG**

[SHN17] Adam H. Sparks, Tomislav Hengl, and Andrew Nelson. `GSODR`: Global summary daily weather data in R. *Journal of Open Source Software*, 2(10):177:1–177:2, February 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00177`.

**Siu:2017:PRP**

[Siu17] Chapman Siu. `Ramble`: Parser combinator for R. *Journal of Open Source Software*, 2 (11):209:1, March 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00209`.

**Schep:2017:PII**

[SK17] Alicia N. Schep and Sarah K. Kummerfeld. `iheatmapr`: Interactive complex heatmaps in R. *Journal of Open Source Software*, 2(16):359:1, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00359`.

**Stegmaier:2017:PGR**

[SKW17] Philip Stegmaier, Alexander Kel, and Edgar Wingender. `geneXplainR`: An R interface for the geneXplain platform. *Journal of Open Source Software*, 2(18):412:1–412:3, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00412`.

**Sherman:2018:PBA**

[SM18] Marcus D. Sherman and Ryan E. Mills. `BAMnostic`: an OS-agnostic toolkit for genomic sequence analysis. *Journal of Open Source Software*, 3(28):826:1–826:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00826`.

**Smith:2017:PUP**

[Smi17] Andrew P. Smith. `UKCensusAPI`: python and R interfaces to the nomisweb UK census data API. *Journal of Open Source Software*, 2(19):408:1, November 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00408`.

**Smith:2018:PHC**

[Smi18] Andrew P. Smith. `humanleague`: a C++ microsynthesis package with R and Python interfaces. *Journal of Open Source Software*, 3(25):629:1, May 2018. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00629.

**Sheffield:2018:PSR**

[SNR18] Nathan Sheffield, V. P. Nagraj, and Vince Reuter. simpleCache: R caching for reproducible, distributed, large-scale projects. *Journal of Open Source Software*, 3(21):463:1, January 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00463.

**Sochat:2017:SRO**

[Soc17] Vanessa Sochat. Singularity registry: Open source registry for singularity images. *Journal of Open Source Software*, 2(18):426:1–426:3, October 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00426.

**Sochat:2018:EFR**

[Soc18a] Vanessa Sochat. The experiment factory: Reproducible experiment containers. *Journal of Open Source Software*, 3(22):521:1–521:4, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00521.

**Sochat:2018:PCO**

[Soc18b] Vanessa Sochat. Containershare: Open Source Registry to build, test, deploy with CircleCI. *Journal of Open Source Software*, 3(28):878:1–878:3, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00878.

**Sochat:2018:PHC**

[Soc18c] Vanessa Sochat. HelpMe command line helper utility. *Journal of Open Source Software*, 3(26):775:1–775:3, June 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00775.

**Sommer:2017:PPI**

[Som17] Philipp S. Sommer. The psyplot interactive visualization framework. *Journal of Open Source Software*, 2(16):363:1, August 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00363.

**Seshadri:2017:PEQ**

[SP17] Pranay Seshadri and Geoffrey Parks. Effective-Quadratures (EQ): Polynomials for computational engineering studies. *Journal of Open Source Software*, 2(11):166:1–166:2, March 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00166.

**Sparks:2017:PGU**

[Spa17] Adam H. Sparks. getCRUCLdata: Use and explore CRU CL v.

2.0 climatology elements in R. *Journal of Open Source Software*, 2(12):230:1, April 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00230`.

**Spielman:2018:PPP**

[Spi18] Stephanie J. Spielman. `phyphy`: Python package for facilitating the execution and parsing of HyPhy standard analyses. *Journal of Open Source Software*, 3(21):514:1, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00514`.

**Sparks:2017:PBF**

[SPPP17] Adam H. Sparks, Mark Padgham, Hugh Parsonage, and Keith Pembleton. `bomrang`: Fetch Australian Government Bureau of Meteorology data in R. *Journal of Open Source Software*, 2(17):411:1–411:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00411`.

**Shi:2017:CCD**

[SPSH+17] Sinan Shi, David Pérez-Suárez, Steve Harris, Niall MacCallum, David Brealey, Mervyn Singer, and James Hetherington. Critical care data processing tools. *Journal of Open Source Software*, 2(20):513:1–513:4, December 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00513`.

**Silge:2016:PTT**

[SR16] Julia Silge and David Robinson. `tidytext`: Text mining and analysis using tidy data principles in R. *Journal of Open Source Software*, 1(3):37:1–37:3, July 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00037`.

**Smith:2018:PUU**

[SR18] Andrew P. Smith and Tom Russell. `ukpopulation`: unified national and subnational population estimates and projections, including variants. *Journal of Open Source Software*, 3(28):803:1–803:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00803`.

**Schlegel:2018:PHC**

[SS18] Robert W. Schlegel and Albertus J. Smit. `heatwaveR`: A central algorithm for the detection of heatwaves and cold-spells. *Journal of Open Source Software*, 3(27):821:1–821:2, July 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00821`.

**Stadler:2017:CCP**

[Sta17] Konstantin Stadler. The country converter `coco` — a

Python package for converting country names between different classification schemes. *Journal of Open Source Software*, 2(16):332:1–332:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00332`.

**Salmon:2017:PRR**

[SVM+17] Maëlle Salmon, Sreekanth Vakacherla, Carles Milà, Julian D. Marshall, and Cathryn Tonne. `rtimicropem`: an R package supporting the analysis of RTI MicroPEM output files. *Journal of Open Source Software*, 2(16):333:1, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00333`.

**Tang:2018:PAR**

[Tan18] Yuan Tang. `autoplotly`: An R package for automatic generation of interactive visualizations for statistical results. *Journal of Open Source Software*, 3(24):657:1–657:2, April 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00657`.

**Tauber:2016:PPP**

[Tau16] J. K. Tauber. `pyuca`: a Python implementation of the Unicode Collation Algorithm. *Journal of Open Source Software*, 1(1):21:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00021`.

**Taylor:2018:PPP**

[Tay18] Shawn David Taylor. `pyPhenology`: A python framework for plant phenology modelling. *Journal of Open Source Software*, 3(28):827:1–827:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00827`.

**Topping:2018:PPA**

[TCR18] David Topping, Paul Connolly, and Jonathan Reid. `PyBox`: An automated box-model generator for atmospheric chemistry and aerosol simulations. *Journal of Open Source Software*, 3(28):755:1–755:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00755`.

**Thorley:2018:PCR**

[Tho18] Joe Thorley. `checkr`: An R package for assertive programming. *Journal of Open Source Software*, 3(23):624:1, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00624`.

**Tierney:2017:PVV**

[Tie17] Nicholas Tierney. `visdat`: Visualising whole data frames. *Journal of Open Source Software*, 2(16):355:1–355:2, August 2017. CODEN ????

ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00355.

**Tocknell:2018:PHT**

[Toc18] James Tocknell. h5preserve: Thin wrapper around h5py, inspired by camel. *Journal of Open Source Software*, 3(22):581:1–581:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00581.

**Torfi:2018:PSL**

[Tor18] Amirsina Torfi. SpeechPy — a library for speech processing and recognition. *Journal of Open Source Software*, 3(27):749:1–749:5, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00749.

**Tsyganov:2018:PRP**

[TPAP18] Kirill Tsyganov, Andrew James Perry, Stuart Kenneth Archer, and David Powell. RNAsik: A pipeline for complete and reproducible RNA-seq analysis that runs anywhere with speed and ease. *Journal of Open Source Software*, 3(28):583:1–583:3, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00583.

**Tushar:2017:PFI**

[TR17] Abhinav Tushar and Nicholas G. Reich. flusight: interactive visualizations for infectious disease forecasts. *Journal of Open Source Software*, 2(13):231:1–231:2, May 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00231.

**Terhoeven:2018:PRG**

[TSH18] Niklas Terhoeven, Jörg Schultz, and Thomas Hackl. reper: Genome-wide identification, classification and quantification of repetitive elements without an assembled genome. *Journal of Open Source Software*, 3(22):527:1–527:4, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00527.

**Theodoropoulos:2016:PHT**

[TSS16] Christos Theodoropoulos, Nikolaos Skoulikidis, and Anastasios Stamou. Habfuzz: A tool to calculate the instream hydraulic habitat suitability using fuzzy logic and fuzzy Bayesian inference. *Journal of Open Source Software*, 1(6):82:1–82:2, October 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00082.

**Turner:2018:PQR**

[Tur18] Stephen D. Turner. qqman: an R package for visualizing GWAS results using Q-Q and Manhattan plots. *Journal of Open Source Soft-*

*ware*, 3(25):731:1–731:2, May 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00731.

**VanderPlas:2016:PMC**

[Van16] Jake VanderPlas. mst_clustering: Clustering via Euclidean minimum spanning trees. *Journal of Open Source Software*, 1(1):12:1, May 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00012.

**Vantas:2018:PHR**

[Van18] Konstantinos Vantas. hydroscoper: R interface to the Greek National Data Bank for Hydrological and Meteorological Information. *Journal of Open Source Software*, 3(23):625:1–625:2, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00625.

**VanHorn:2016:PMY**

[VB16] Nicholas M. Van Horn and Aaron Beveridge. MassMine: Your access to data. *Journal of Open Source Software*, 1(8):50:1, December 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00050.

**Vrbancic:2018:PNP**

[VBM+18] Grega Vrbančič, Lucija Brezočnik, Uroš Mlakar, Dušan Fister, and Iztok Fister, Jr. NiaPy: Python microframework for building nature-inspired algorithms. *Journal of Open Source Software*, 3(23):613:1–613:3, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00613.

**Versypt:2018:PBO**

[VCD18] Ashlee N. Ford Versypt, James D. Crall, and Biswadip Dey. BeeNestABM: An open-source agent-based model of spatiotemporal distribution of bumblebees in nests. *Journal of Open Source Software*, 3(27):718:1–718:2, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00718.

**vanderHam:2018:PSD**

[vdH18] Ruud van der Ham. salabim: discrete event simulation and animation in Python. *Journal of Open Source Software*, 3(27):767:1–767:2, July 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00767.

**vanHeeringen:2017:PGD**

[vH17a] Simon J. van Heeringen. genomepy: download genomes the easy way. *Journal of Open Source Software*, 2(16):320:1, August 2017. CODEN ???? ISSN 2475-9066. URL http://

joss.theoj.org/papers/10.21105/joss.00320.

**vanHulten:2017:PCC**

[vH17b] Marco van Hulten. `ComPlot`: Comparison plotter to visually evaluate ocean model simulations. *Journal of Open Source Software*, 2(17):368:1–368:4, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00368`.

**Versypt:2017:PAO**

[VHM17] Ashlee N. Ford Versypt, Grace K. Harrell, and Alexandra N. McPeak. `ACEInhibPKPD`: An open-source MATLAB app for a pharmacokinetic/pharmacodynamic model of ACE inhibition. *Journal of Open Source Software*, 2 (17):340:1–340:2, September 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00340`.

**Vitolo:2017:PHH**

[Vit17] Claudia Vitolo. `hddtools`: Hydrological data discovery tools. *Journal of Open Source Software*, 2(9):56:1–56:2, January 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00056`.

**Vitolo:2016:PRI**

[VRT16] Claudia Vitolo, Andrew Russell, and Allan Tucker. `rdefra`: Interact with the UK AIR Pollution Database from DEFRA. *Journal of Open Source Software*, 1(4):51:1–51:2, August 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00051`.

**Vitolo:2016:PFR**

[VWDB16] Claudia Vitolo, Peter Wells, Martin Dobias, and Wouter Buytaert. `fuse`: An R package for ensemble hydrological modelling. *Journal of Open Source Software*, 1(8):52:1–52:2, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00052`.

**Waggoner:2018:PHP**

[Wag18] Philip D. Waggoner. The `hhi` package: Streamlined calculation and visualization of Herfindahl–Hirschman index scores. *Journal of Open Source Software*, 3(28):828:1–828:5, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00828`.

**Wakefield:2016:PSI**

[Wak16a] Matthew J. Wakefield. `SurvivalVolume`: interactive volume threshold survival graphs. *Journal of Open Source Software*, 1(8): 111:1–111:2, December 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00111`.

**Wakefield:2016:PXM**

[Wak16b] Matthew J. Wakefield. `Xenomapper`: Mapping reads in a mixed species context. *Journal of Open Source Software*, 1(1): 18:1, May 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00018`.

**Warren:2016:PRP**

[War16] Rene L. Warren. `RAILS` and `Cobbler`: Scaffolding and automated finishing of draft genomes using long DNA sequences. *Journal of Open Source Software*, 1(7):116:1–116:2, November 2016. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00116`.

**Warren:2018:VGS**

[War18] René L. Warren. Visualizing genome synteny with `xmatchview`. *Journal of Open Source Software*, 3(21):497:1–497:4, January 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00497`.

**Wahls:2018:PFS**

[WCP18] Sander Wahls, Shrinivas Chimmalgi, and Peter J. Prins. `FNFT`: A software library for computing nonlinear Fourier transforms. *Journal of Open Source Software*, 3(23):597:1–597:2, March 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00597`.

**Wilkinson:2018:PPR**

[WD18] Shaun P. Wilkinson and Simon K. Davy. `phylogram`: an R package for phylogenetic analysis with nested lists. *Journal of Open Source Software*, 3(26):790:1–790:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00790`.

**Wilson:2017:PLS**

[WFA+17] Lucas A. Wilson, John M. Fonner, Jason Allison, Oscar Esteban, Harry Kenya, and Marshall Lerner. `Launcher`: A simple tool for executing high throughput computing workloads. *Journal of Open Source Software*, 2(16):289:1–289:2, August 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00289`.

**Whalley:2018:PEE**

[Wha18] Lucy D. Whalley. `effmass`: An effective mass package. *Journal of Open Source Software*, 3(28):797:1–797:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00797`.

**Willner:2017:PPP**

[WHG17] Sven N. Willner, Corinne Hartin, and Robert Gieseke.

`pyhector`: A Python interface for the simple climate model Hector. *Journal of Open Source Software*, 2(12):248:1–248:2, April 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00248`.

**Weisenburger:2017:PAA**

[WHLM17] Kolby L. Weisenburger, Joseph Huehnerhoff, Emily M. Levesque, and Philip Massey. `acronym`: An automatic reduction pipeline for astronomical images. *Journal of Open Source Software*, 2(13):102:1–102:2, May 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00102`.

**Wiley:2018:PRR**

[Wil18a] David Wiley. `RISE`: An R package for RISE analysis. *Journal of Open Source Software*, 3(28):846:1, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00846`.

**Williams:2018:CPN**

[Wil18b] Benjamin Williams. Combining a probability and a non-probability sample in a capture–recapture setting. *Journal of Open Source Software*, 3(28):886:1–886:2, August 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00886`.

**Wojdyr:2017:PUW**

[Woj17] Marcin Wojdyr. `UglyMol`: a WebGL macromolecular viewer focused on the electron density. *Journal of Open Source Software*, 2(18):350:1–350:2, October 2017. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00350`.

**Wood:2018:PQQ**

[Woo18] Tobias C. Wood. `QUIT`: QUantitative imaging tools. *Journal of Open Source Software*, 3(26):656:1–656:2, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00656`.

**Wette:2018:POL**

[WPK+18] Karl Wette, Reinhard Prix, David Keitel, Matthew Pitkin, Christoph Dreissigacker, John T. Whelan, and Paola Leaci. `OctApps`: a library of Octave functions for continuous gravitational-wave data analysis. *Journal of Open Source Software*, 3(26):707:1–707:3, June 2018. CODEN ???? ISSN 2475-9066. URL `http://joss.theoj.org/papers/10.21105/joss.00707`.

**Wrobel:2018:PRR**

[Wro18] Julia Wrobel. `register`: Registration for exponential family functional data. *Journal of Open Source Software*, 3(22):557:1–557:2, February

2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00557.

**Wadhwa:2018:PTR**

[WWDS18] Raoul R. Wadhwa, Drew F. K. Williamson, Andrew Dhawan, and Jacob G. Scott. TDAstats: R pipeline for computing persistent homology in topological data analysis. *Journal of Open Source Software*, 3(28):860:1–860:3, August 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00860.

**Willcox:2018:PPI**

[WZ18] Donald E. Willcox and Michael Zingale. pynucastro: an interface to nuclear reaction rates and code generator for reaction network equations. *Journal of Open Source Software*, 3(23):588:1–588:3, March 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00588.

**Yao:2017:PWM**

[YK17] Andy Yu Zhu Yao and David Kane. walkr: MCMC sampling from non-negative convex polytopes. *Journal of Open Source Software*, 2(11):61:1, March 2017. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00061.

**Youngflesh:2018:PMT**

[You18] Casey Youngflesh. MCMCvis: Tools to visualize, manipulate, and summarize MCMC output. *Journal of Open Source Software*, 3(24):640:1–640:3, April 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00640.

**Yu:2018:PEU**

[YS18] Chi-Lin Yu and Ching-Fan Sheu. EFAshiny: An user-friendly shiny application for exploratory factor analysis. *Journal of Open Source Software*, 3(22):567:1–567:2, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00567.

**Zaghdoudi:2018:PIR**

[Zag18] Taha Zaghdoudi. ivporbit: An R package to estimate the instrumental variables probit model. *Journal of Open Source Software*, 3(22):523:1, February 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00523.

**Zhang:2017:PIT**

[ZB17] Yuxuan Zhang and Jean Bilheux. ImagingReso: A tool for neutron resonance imaging. *Journal of Open Source Software*, 2(19):407:1–407:3, November 2017. CODEN ???? ISSN 2475-9066. URL http://

joss.theoj.org/papers/10.21105/joss.00407.

**Zeki:2018:PEE**

[Zek18] Sebastian S. Zeki. EndoMineR for the extraction of endoscopic and associated pathology data from medical reports. *Journal of Open Source Software*, 3(24):701:1–701:2, April 2018. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00701.

**Zhang:2016:ASG**

[ZKM+16] Zhao Zhang, Daniel S. Katz, Andre Merzky, Matteo Turilli, Shantenu Jha, and Yadu Nand. Application skeleton: Generating synthetic applications for infrastructure research. *Journal of Open Source Software*, 1(1):17:1–17:2, May 2016. CODEN ???? ISSN 2475-9066. URL http://joss.theoj.org/papers/10.21105/joss.00017.