

ACCESS 2009 height–weight data  
[height in inches, weight in pounds]:

```
> with(LinearAlgebra) :  
> htwts:=Matrix(  
  [[63,130],[67,169],[71,178],[71,225],[56,98],  
  [67,204],[65,145],[74,180],[64,150],[62,136],  
  [60,110],[47,80],[38,35],[67,140],[67,145],  
  [66,128],[40,36],[60,121],[69,155],[70,178],  
  [71,292],[68,245],[67,168],[65,140],[71,173],  
  [67,158],[72,213],[67,147],[65,170],[70,140],  
  [68,155],[68,121],[69,165],[70,140],[67,120],  
  [60,125],[71,150],[63,123],[68,130],[71,175],  
  [67,122],[72,145],[69,140],[68,135],[69,165],  
  [67,115],[70,175],[64,95],[69,160],[64,125],  
  
  [68,128],[66,158],[66,140],[67,147],[71,175],  
  [69,165],[70,145],[60,81],[71,135],[67,275],  
  [62,145],[63,155],[64,110],[62,135],[64,205],  
  [64,141],[72,155],[72,155],[65,227],[69,168],  
  [65,100],[62,185],[68,180],[60,145],[61,145],  
  [68,142],[76,275],[70,180],[70,140],[63,98],  
  [37,28],[26,20],[74,210],[72,204],[64,165],  
  [19.5,7.62],[21,7.44],[21,8.19],[21.5,9.38],  
  [24,14],[27,18.25],[29,18.25],[29,18.62],[29,19.62],  
  [30,20.31],[30,21.25],[30,21.68],[31,21.25],[31,23],  
  
  [32,23],[32,22.12],[68,144],[64,141],[66,151],  
  [68,113],[20,8.19],[66,133],[68,144],[69,175],  
  [69,180],[67,170],[65,218],[64,105],[31,29],  
  [42,43],[62,117],[74,336],[67,166],[64,136],  
  [39,32],[68,159],[67,160],[74,185],[62,122],  
  [69,158],[62,108],[65,130],[65,125],[68,122],  
  [66,125],[65,132],[68,135],[73,155],[72,130],  
  [73,160],[68,207],[68,160],[76,205],[71,155],  
  [66,170],[72,160],[75,180],[70,160],[65,140],  
  [67,130],[67,140],[75,260],[64,123],[64,145],  
  
  [68,130],[73,175],[67,155],[66,120],[69,144],  
  [75,225],[72,185],[49,88],[68,147],[74,185],  
  [52,68],[49,55],[43,42],[34,32],[55,118],  
  [54,60],[70.5,148],[64,96],[36,60],[63.5,121],  
  [74,170],[27,24],[42,48],[59,84],[36,34],[51,74],  
  [69,155],[78,200],[64,140],[72,205],[74,165],
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[67,140],[53,67],[70,168],[68,179],[67,190],  
[71,175],[67,149],[65,143],[63,136],[65,152],  
[62,122],[64,155],[66,143],[62,154],[72,186],  
[64,120],[47,57],[56,92.5],[74,214],[68,124.6],

[70,152.4],[56,70.8],[64,140],[69,140],[66,135],  
[64,100],[54,80],[71,160],[67,140],[58,90],  
[74,190],[54,67],[59,70],[52,60],[28,15.5],  
[68,130],[66,160],[52,57],[60,95],[67,137],  
[66,110],[68,125],[61,110],[67,135],[40,30],  
[32,27],[21,11],[37,22],[56,63],[65,102],  
[51,55.5],[45,43],[48,52],[45,38.5],[41,35.5],  
[71,205],[65,140],[54,63],[51,39],[42,35],  
[37.5,32.7],[34.5,26.6],[63,99],[65,112],[69,165],  
[64,140],[58,63.5],[54,67],[54,55],[41.5,48],

[64,110],[62,95],[65,146],[61,105],[58,80],  
[70,200],[75,135],[67,140],[71,134],[66,125],  
[64,120],[46,47],[64,110],[65,145],[60,103],  
[62,125],[63,114],[66,120],[68,125],[67,115],  
[64,120],[66,138],[69,142],[62,110],[68,135],  
[64,150],[63,120],[63.5,123],[66,137],[59,100],  
[76,160],[68,120],[64,137],[66,145],[70,148],  
[65,117],[67,122],[63,135],[67,126],[60,105],  
[64,125],[63,122],[66,135],[74,275],[68,145],  
[66,132],[71,150],[67,120],[66,123],[74,160],

[67,155],[68,120],[69,145],[72,121],[53,100],  
[64,143],[66,150],[63,115],[70,225],[71,160],  
[65,148],[73,194],[64,126],[64,145],[65,125],  
[68,165],[63,215],[62,135],[66,95],[67,90],  
[44,65],[29,20],[72,185],[76,210],[74,170],  
[62,118],[72,115],[74,190],[66,110],[68,145],  
[65,152],[64,160],[61,135],[59,140],[42,45],  
[47,58],[67,135],[64,125],[70,130],[61,118],  
[67,142],[65,119],[75,198],[56,85],[69,155],  
[70,190],[67,115],[66,130],[70,150],[70,200],

[62,120],[65.5,186],[62,105],[73,170],[62,123],  
[63,123],[69,140],[67,120],[75,175],[75,190],  
[64,125],[65,120],[66,125],[70,135],[73,140],  
[67,140],[74,190],[29.9,23.4],[23,13.8],[42.75,42],

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[32.5,22],[66,125],[64,115],[65,122],[71.5,135],
[69,140],[69,160],[72,170],[63,130],[69,140],
[60,130],[63,125],[67,132],[65,120],[61,125],
[63,125],[61,112],[72,175],[71,145],[70,154],
[61,105],[71,175],[68,135],[70,137],[75,206],
[71,200],[73,198],[71,210],[68,120],[64.5,149],

[70.5,160],[75,183],[79,260],[76,211],[78,205],
[84,285],[82,235],[74,180],[73,210],[84,250],
[80,205],[82,230],[81,240],[79,205],[80,235],
[81,205],[74,165],[66,135],[61,135],[66,120],
[67,160],[71,140],[65,120],[67,150],[69,185],
[66,120],[72,170],[66,132],[67,140],[70,165],
[66,120],[68,135],[66,127],[60,115],[63,160],
[67,110],[62,134],[70,155],[72,160],[72,185],
[56,80],[64,145],[63,110],[66,125],[67,170],
[68,160],[67,145],[67,152],[65,142],[73,220],

[66,190],[42,36],[62,120],[64,150],[48,88],
[74,150],[69,156],[66,145],[70,176],[67,148],
[73,200],[71,140],[71,150],[71,207],[70,130],
[63,135],[70,150],[67,185],[21,7],[68,140],
[70,145],[75,250],[59,82],[57,71],[50,52]
]):

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[ the following information and commands may be helpful:

```

> RowDimension(htwts); #number of data points
> hts:=Column(htwts,1); #extracts the heights as a vector
wts:=Column(htwts,2); #extracts the corresponding weights
ones:=Vector(475,1.0); #makes a vector of 475 ones.
> hts[1]; wts[1], ones[1]; #check
>

```