Ken’s example Word doc

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Question 1

(a) This is the code I ran:

proc import

datafile='/home/megan3/a.sas'

dbms=csv

out=mydata

replace;

getnames=yes;

proc print;

Note that I displayed the code in Courier New so that it shows with the proper indentation.

This is the output I got:

|  |  |
| --- | --- |
| **Obs** | **x** |
| **1** | 10 |
| **2** | 11 |
| **3** | 13 |
| **4** | 17 |
| **5** | 22 |
| **6** | 29 |

(I had to widen the second column of the table to get the numbers to display properly.)

This is indeed the data in the data file.

(b) I added this code:

proc means;

proc sgplot;

vbox x;

This produced the additional output shown:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Analysis Variable : x** | | | | |
| **N** | **Mean** | **Std Dev** | **Minimum** | **Maximum** |
| 6 | 17.0000000 | 7.3484692 | 10.0000000 | 29.0000000 |

The maximum and minimum shown here are indeed the largest and smallest values in the data set.

I played with the width of the table and the widths of the columns within the table so that none of the numbers spilled onto a second line.



The boxplot shows that the distribution of x is skewed to the right for two reasons: the long upper tail, and the mean being larger than the median.