

Getting Ready for the Midterm – Chapter 3

Practice Problems – Answer Key

1) Calculate mean, median, Q1, Q3, and mode for this set of data.

Daily volumes of the New York Stock Exchange for August 1999 (millions of shares)

649 739 789 859 699 684 836 793
745 692 583 691 683 684 661 682
732 864 719 569 605 860

Summary statistics:

Column	Mean	Median	Q1	Q3
var1	719	695.5	682	789

Mode: 684

2) Here are the scores of 8 randomly selected students on a math exam. Find the standard deviation, variance, and range for these scores.

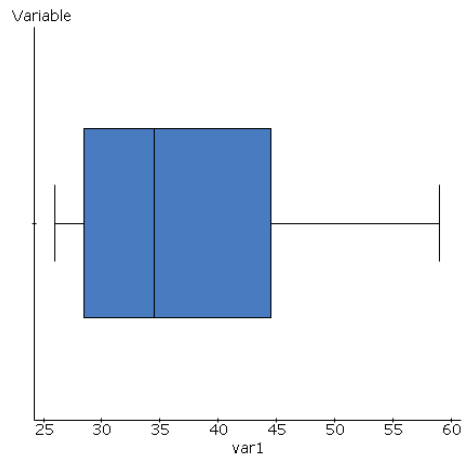
62 75 72 95 82 86 80 71

Summary statistics:

Column	Std. dev.	Variance	Range
var1	10.162079	103.26786	33

3) Here are the ages of the 16 full-time faculty members in the Math Department at a community college. Create a boxplot for the data. Are there any outliers?

27 42 40 59 32 28 29 30
 32 45 27 44 37 52 54 26



No Outliers

4) Use the stem-and-leaf display to find the 5-number summary (Min, Q1, Median, Q3, Max) for this data, and draw a boxplot. Be sure to denote outliers on your graph.

(There are 55 values.)

