

## Challenge problem # 1

### Due data Feb 10, 2017

**Instruction:** Analyze the data below and write a short report. The report should have the following: a summary of your results, descriptive statistics (graphical and numerical, the results of your analysis and a conclusion. The report should not be more than 2 pages (both sides).

Problem: A consumer organization studied the effect of the age of the automobile owner on the size of the cash offer for a used car by utilizing 12 persons in the three age groups (young, middle, elderly) who acted as the owner of a used car. A medium price, six year old car was selected for the experiment and the owners solicited cash offers for this car from 36 dealers selected at random from the dealers in the region. Randomization was used in assigning the dealers to the owners. The offers in hundreds of dollars are

Young	Middle	Elderly
23	28	23
25	27	20
21	27	25
22	29	21
21	26	22
22	29	23
20	27	21
23	30	20
19	28	19
22	27	20
19	26	22
21	22	21