## STA 13A Third Week Discussion

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## Review on materials covered

Some Important terminology last week

- note on the stem-leaf plot
- measures of variability: range, sample variance, sample standard deviation

$$s^{2} = \frac{\sum_{i=1}^{n} (x_{i} - \bar{x})^{2}}{n-1}$$

• measures of relative standing: percentile ranking, z-score

$$z = \frac{x - \bar{x}}{s}$$

- methods for detecting outliers: Box Plots and z-scores (three special cases)
- probability: experiment, sample point, sample space
- probability rules for sample points
- Event: a specific collection of sample points
- Probability of an event
- $\bullet$  Combinations rule

$$\binom{N}{n} = \frac{N!}{n! (N-n)!}$$

where n! = n \* (n-1) \* (n-2)...(3)(2)(1)

## Some Typical Questions

- Refer to Textbook 2.84, 2.112, 2.136, 3.10, 3.12, 3.20
- Questions on homework if you have any!!! If not, that is the end of class:)