

- Know the difference between categorical and quantitative variables
- be able to read and interpret graphs
 - only make conclusions based on data given
 - do not extend conclusions beyond (infer)
- measures of center (mean/median)
 - Know the difference and when it is appropriate to use each one
 - be able to interpret mean/median as it represents the data
- be able to interpret percentile information from summary data (histogram/boxplot/computer output)
- Know how mean \neq median are affected with changes to the data
- determine quartiles from raw data or alternative graphic displays (not boxplot)
- linear transformation (Know how data is affected by addition/subtraction and/or multiplication)
- be able to use 5# summary w/ # of observations to make decisions
- use side by side boxplots to compare data
- read and interpret an ogive
- get frequency from an ogive

graphical display of data

- numerical summaries
mean / std. dev & 5# summary
- calculate outliers
- compare in complete sentences