

Statistics Mid-Term: Skills Covered on Exam

1. Scatterplots
 1. Constructing good scatterplots
 2. Making Good Scatterplots
 3. Positive and negative linear correlations from scatterplots
 4. Describing trends in scatterplots
 5. Correlation coefficients
 6. Eyeballing line of best fit
 7. Estimating slope of line of best fit
 8. Estimating equations of lines of best fit and using them to make predictions
2. Data Distributions
 1. Creating dot plots
 2. Reading dot plots and frequency tables
 3. Create histograms
 4. Read histograms
 5. Shape of distributions
 6. Mean, median, and mode
 7. Missing value given mean
 8. Effects of shifting, adding & removing a data point
 9. Interguartile range (IQR)
 10. Standard deviation of a population
 11. Creating box plots
 12. Reading box plots
 13. Interpreting quartiles
 14. Comparing distributions
3. Two-way Tables
 1. Reading two-way frequency tables
 2. Two-way frequency tables
 3. Reading two-way relative frequency tables
 4. Two-way relative frequency tables
 5. Interpreting two-way tables