

Homework Assignments

1. Prepare now to take the A.P. Statistics test
 2. Read Chapter 1 (pages 2 – 6)
3. Read Chapter 2 (pages 7 – 15), esp. TI Tips
 4. Pages 16 – 17 (2, 4, 5, 9, 11, 15, 16)
 5. Pages 17 – 18 (21, 24, 26): **GRADED**
 6. Read Chapter 3 (pages 20 – 35)
 7. Pages 36 – 41 (1, 2, 3, 12, 15, 19, 28)
 8. Pages 38 – 43 (16, 17, 27, 31, 36)
9. Race and the Death Penalty IT: **GRADED**
 10. Read Chapter 4 (pages 45 – 63)
 11. Pages 65 – 68 (5, 6, 11, 13, 25, 26)
 12. Pages 65 – 71 (3, 15, 27, 28, 38): **GRADED**
 13. Read Chapter 5 (pages 73 – 90)
 14. Pages 91 – 98 (6, 8, 12, 19, 30, 41)
 15. Pages 91 – 98 (5, 9, 17, 25, 31, 42): **GRADED**
 16. Auto Safety IT: **GRADED**
 17. Read Chapter 6 (pages 102 – 122)
 18. Pg 123 – 128 (1, 5, 10, 18, 42, 46): **GRADED**
 19. Pages 123 – 128 (3, 29, 34, 36, 43, 44)

Vocabulary

5-number summary	Marginal distribution	Rescaling
68-95-99.7 Rule	Mean	Respondents
Area principle	Median	Segmented bar chart
Bar chart	Midrange	Shape
Bimodal	Modes	Shifting
Boxplot	Multimodal	Simpson's paradox
Case	Nearly normal condition	Skewed
Categorical data condition	Normal model	Spread
Categorical variable	Normal percentiles	Spread
Center	Normal probability plot	Standard deviation
Center	Normality assumption	Standard normal model / distribution
Changing center and spread	Outliers	Standardized value
Conditional distribution	Parameter	Standardizing
Context	Percentages	Statistic
Contingency table	Percentiles	Stem-and-leaf display
Data	Pie chart	Subjects/Participants
Data table	Proportion	Symmetric
Distribution	Quantitative data condition	Tails
Distribution	Quantitative variable	Timeplot
Dotplot	Quartiles	Uniform
Experimental units	Range	Unimodal
Frequency table	Records	Units
Gaps	Re-express / Transform	Upper Quartile
Histogram	Relative frequency bar chart	Variable
Independence	Relative frequency histogram	Variance
Interquartile range (IQR)	Relative frequency table	z-score
Lower Quartile		