

AP Statistics 6-week Review

Chapters you should review: 3 – 6. Look in particular at the TERMS and SKILLS described at the end of each chapter, right before the problem sets.

Topics you should make sure you review:

Categorical vs. Quantitative data

Ways of illustrating categorical data (pie charts, bar charts, segmented bar charts), and what makes a good chart

Contingency Tables

Marginal distributions vs. Conditional distributions

Independence of variables

Ways of illustrating quantitative data (histograms, boxplots, stemplots, dotplots, timeplots)

Describing data: center, unusual features, shape, spread

Measures of Center: Mean, median

Shapes and unusual features: symmetry, skew, uniform, normal, tails, mode, unimodal, bimodal, outliers

Measures of Spread: range, IQR, variance, standard deviation

When to use mean and standard deviation and when to use median and IQR

Normal model

Standard Normal model

The “empirical rule” aka the 68-95-99.7 rule

Calculation of z -scores

Problems to look at for the review:

Page 131: 5, 6, 8, 20, 21, 25, 28, 29, 30, 32, 34