

AP Statistics

Notes Ch. 2

2.1 Describing Location in a Distribution

DEFINITION: Percentile

DEFINITION: Cumulative relative frequency graph (ogive)

DEFINITION: Standardized score (z-score)

Effect of Adding (or Subtracting) a Constant

Effect of Multiplying (or Dividing) by a Constant

Connecting Transformations and z-Scores

2.2 Density Curves and Normal Distributions

DEFINITION: Density curve

DEFINITION: Mean and Median of a Density Curve

DEFINITION: Normal distribution and Normal curve

DEFINITION: The 68-95-99.7 rule (Empirical Rule)

DEFINITION: Standard Normal distribution

How to Find the Area in a Normal Distribution (with and without technology)

How to find values from areas in any normal distribution (with and without technology)

DEFINITION: Normal probability plot

How to assess normality with a normal probability plot