

Things you should know for the midterm

- Everything from Test 1
 - Frequency distributions
 - Making charts
 - Measures of central tendency – mean, median, mode, midrange
 - Measures of variation – range, standard deviation
 - Measures of position – percentiles, 5-number summary, z-scores
- More on z-scores
 - Comparing data using z-scores
 - Identifying outliers
 - Finding data values given the z-score
 - Using z-scores to answer questions about the normal distribution
- Analyzing two-variable data
 - Scatter plots
 - Trendlines
 - Predictions
- Probability
 - Calculating probability using the sample space
 - Identifying mutually exclusive events
 - Identifying independent events
 - Calculating probability using formulas
 - Addition rule for “or” events
 - Multiplication rule for “and” events
 - Conditional rule for “given” events
 - General counting rules
 - Exponents, permutations, and combinations