

## Homework by sections

The sections are numbered according to the 4<sup>th</sup> Edition of the Pearson textbook "[Introductory Statistics](#)" by Gould, Wong, and Ryan. The assigned problems are found in the MyLab Statistics website. See the class schedule or MyLab Statistics for due dates.

HW #	Section covered
1	1.1: What are data?
2	1.2: Classifying and storing data
3	1.3: Investigating data
4	2.1: Visualizing variation in numerical data
5	2.2: Summarizing numerical distribution
6	2.3: Visualizing variation in categorical variables
7	2.4: Summarizing categorical distribution
8	3.3: Skewed distributions
9	3.4: Measures of center
10	3.5: Boxplot
11	4.1: Scatterplot
12	4.2: Strength of correlation
13	4.3: Modeling linear trends
14	4.4: Evaluating a linear model
15	5.1: Randomness
16	5.2: Theoretical probabilities
17	5.3: Independence
18	5.4: Empirical and simulated probabilities
19	6.1: Discrete and continuous distributions
20	6.2: Normal distribution
21	6.3: Binomial distribution
22	7.1: Surveys
23	7.2: Quality of a survey
24	7.3: Central Limit Theorem
25	7.4: Confidence intervals
26	7.5: Two population proportions
27	8.1: Hypothesis testing
28	8.2: Four steps of hypothesis testing
29	8.3: p-value
30	8.4: Two population proportions
31	10.1: Hypothesis testing with categorical variables
32	10.2: Chi-square test for goodness of fit
33	10.3: Chi-square test for dependence
34	11.1: Multiple comparisons
35	11.2: Analysis of variance
36	11.3: ANOVA test