

Math 115 My Homework list for FALL 2007

section		My HW to be collected
1.2	Types of Data	1-12, 13-24 (Quantitative/Qualitative only)
1.3	Critical Thinking	5-12, 21-26
1.4	Design of Experiments	5-8, 13-30
2.2	Frequency Distributions	9-16
2.3	Histograms	1-7
2.4	Statistical graphs	5-8, 13-30
3.2	Measures of Center	1-4, 7, 8, 14, 28, 22
3.3	Measures of Variation	7, 8, 14, 18, 22, 33, 35
3.4	Measures of Relative Standing	12-26 all
3.5	Exploratory data analysis	1-7 all
4.2	Fundamentals of Probability	1-9, 17-20
4.3	Addition Rule	8-12, 21-24
4.4	Multiplication Rule	7-9, 15-20
4.5	Complements and conditional Probability	7, 8, 12, 13, 18, 19, 21-24
5.2	Random Variables	6, 8, 10, 12, 19, 20
5.3	Binomial Prob. Distributions	5-9, 14, 19-22, 29, 31, 32, 33
5.4	Binomial Mean, Variance & SD	9-12
6.2	The Standard Normal Distribution	12, 15, 18, 21, 24, 27, 29-39
6.3	Applications of Nonstandard Normal Distributions	13-20
6.4	Sampling Distributions	1-7 all
6.5	The Central Limit Theorem	6-9, 12, 17
7.2	Estimating a Population Proportion	Handout with mixed Set of problems
7.3	Estimating a Pop. Mean: σ Known	
7.4	Estimating a Population Mean: σ Not Known	
7.5	Estimating a Population Variance	
8.2	Basics of Hypothesis Testing	Handout with mixed Set of problems
8.3	Testing a Claim About a Proportion	
8.4	Testing Claims About μ : σ Known	
8.5	Testing Claims About μ : σ Not Known	
8.6	Testing Claims About Variances and SD's	
10.2	Correlation	7, 11, 12, 13, 15, 16, 18
10.3	Regression	13, 15, 16, 18
11.2	Multinomial experiments: χ^2 Goodness of Fit	5, 6, 9, 12, 18, 21, 23
11.3	Contingency Tables: χ^2 Test of Independence	9, 10, 17, 22