

Math 115 Comprehensive Homework list for FALL 2007

section		complete set
1.2	Types of Data	1-11 odd, 13-23 odd (Quantitative/Qualitative only)
1.3	Critical Thinking	5-19 odd, 21-26 all
1.4	Design of Experiments	5, 7, 13-29 odd
2.2	Frequency Distributions	9-15 odd
2.3	Histograms	1-7 all
2.4	Statistical graphs	9-19 odd
3.2	Measures of Center	1-4, 5-21 odd
3.3	Measures of Variation	5-21 odd, 33, 35
3.4	Measures of Relative Standing	1-4, 5-25 odd
3.5	Exploratory data analysis	1-7 all
4.2	Fundamentals of Probability	5-25 odd
4.3	Addition Rule	5-25 odd
4.4	Multiplication Rule	1-5, 7-23 odd
4.5	Complements and conditional Probability	1-5, 7-25 odd
5.2	Random Variables	1-21 odd
5.3	Binomial Prob. Distributions	5-33 odd
5.4	Binomial Mean, Variance & SD	5-15 odd
6.2	The Standard Normal Distribution	1-4, 9-39 odd
6.3	Applications of Nonstandard Normal Distributions	5-23 odd
6.4	Sampling Distributions	1-7 all
6.5	The Central Limit Theorem	5-13 odd
7.2	Estimating a Population Proportion	5-31 odd, 39-43 odd
7.3	Estimating a Pop. Mean: σ Known	5-35 odd
7.4	Estimating a Population Mean: σ Not Known	5-14 all, 17-27 odd
7.5	Estimating a Population Variance	5-10 all, 17-25 odd
8.2	Basics of Hypothesis Testing	9-16 all, 29-40 all
8.3	Testing a Claim About a Proportion	5-25 odd,
8.4	Testing Claims About μ : σ Known	5-17 odd
8.5	Testing Claims About μ : σ Not Known	5-23 odd, 29
8.6	Testing Claims About Variances and SD's	9-19
10.2	Correlation	5-17 odd
10.3	Regression	13-17 odd
11.2	Multinomial experiments: χ^2 Goodness of Fit	5, 6, 9, 11, 17, 21, 23
11.3	Contingency Tables: χ^2 Test of Independence	7, 9, 17, 21