

Descriptive Statistics		
Topic	Reading	Homework
Data	1-22	18/3,5,7,11,17
Freq. plot, barplot stem and leaf diagram	40-94	74/2,5,6,9,13 89/4,5,7
histograms, densities	40-94	50/1,8,13 157/1,3,7
Summation notation	126-130	131/1,3,4,5,7
Mean, median	132-157	142/1,4,8,10,11
variance		157/1,3,5,8,9,15
Percentiles, IQR, z -scores	165-183	176/1,4,6,7 183/1,7,8,10
Probability Concepts		
Probability	209-219	220/1,2,5,6,9,13,16
Counting	226-251	230/3,7,9,13,15
Counting	242-251	240/2,6,8,14,17 252/2,5,7,15
Discrete Distributions	333-349	339/3,4,9,13,15,17 349/2,3,9,13
Binomial distribution	355-367	368/1,2,5,7,6,12,15
Binomial: mean and variance	371-373	373/1,3,5,7,9,12
Normal distribution	403-416	416/1,2,4,5,7,9,12
Normal distribution	419-422	422/3,5,,78,9,13
Normal Approximation	425-431	431/1,3,5,7,11,13,15
Normal vs. Binomial		441/1,5,10,13,18,22,27
Statistical Inference		
Confidence intervals	490-495 514-519	519/1,3,5,7,9
Hypothesis testing	533-538	547/1,3,7,9
z -test	538-547	
t -test	549-551	552/1,3,5,7,9,10
tests of differences	554-563	559/1,3,5,7,9 564/1,3,5,6,9
test of proportions	566-570	570/1,4,6,7,9
Bivariate data Correlation	588-605	599/1,3,5,7,9
Linear regression	606-615	616/1,3,7,8,10,11
Linear regression, β_1	527-630	632/1,3,5,8
Chi-square	669-673	673/1,3,6,10 680/2,3,6