

Descriptive Statistics			
Date	Topic	Reading	Homework
8/30	Data Freq. plot, barplot stem and leaf diagram	1-22 40-94	18/3,5,7,11,17 74/2,5,6,13 89/4,5,7
9/6	histograms, densities Intro. to R	40-94	50/1,8,13
9/11	Summation notation R for graphics	126-130	131/1,3,5,7
9/13	Mean, median, variance Percentiles, IQR, z-scores	132-157 165-183	142/1,4,10,11 157/1,3,5,8,9,15 176/1,4
9/18	Percentiles, IQR, z-scores R for summary statistics	165-183	176/6,7,8,9 183/1,7,8,10
Probability Concepts			
9/20	Probability Counting	209-219 226-251	220/1,2,5,13,16 230/3,7,9,13,15
9/25	Counting R with counting	242-251	240/2,6,8,14,17 252/2,5,7,15
9/27	Discrete Distributions Binomial distribution	333-349 355-367	339/3,4,9,13,15,17 349/2,3,9,13
10/3	Review for test Binomial: mean and variance	371-373	373/1,7,9,12
10/4	TEST 1		
10/11	Normal distribution Normal distribution	403-416 419-422	416/1,2,4,5,7,12 422/3,8,9,13
10/16	R for binomial Normal Approximation	425-431	431/1,11,13,15
10/18	Normal vs. Binomial		441/1,5,10,13,18,22,27

Statistical Inference			
10/23	R for the normal distribution Confidence intervals	490-495 514-519	519/1,3,5,7,9
10/25	Hypothesis testing	533-538	584/1,2,4
10/30	Review z-test	538-547	547/1,3,7,9
11/1	TEST 2		
11/6	R for tests <i>t</i> -test	549-551	552/1,3,5,7,9,10
11/8	tests of differences R for significance tests	554-563	559/1,5,7 564/1,3,5
11/13	test of proportions R for significance tests	566-570	564/1,3,6
11/15	test of proportions Bivariate data Correlation	588-605	570/1,4,6,7,9 599/1,3,5
11/20	Linear regression R for regression	606-615	616/1,3,7,8,10,11
11/27	Review		
11/29	TEST 3		
12/4	Linear regression, β_1 R for regression	527-630	632/1,3,8
12/6	Chi-square	658-679	664/1,3,9 673/1,3,6 680/2,3,6
12/11	R for Chi-square Review		
12/13	Review		
12/??	Final Exam. Date to be announced		