Date	Topic	Reading	Homework
	Descriptive Statistics		
1/31	Data Intro. to R	1-22	18/3,5,7,11,17
2/2	Freq. plot, barplot stem and leaf diagram	40-94	74/2,5,6,13 89/4,5,7
2/7	histograms, densities R for graphics	40-94	50/1,8,13 157/1,3,7
2/9	Summation notation Mean, median, variance	126-130 132-157	131/1,3,5,7 142/1,4,10,11 157/3,8,9,15
2/14	Percentiles, IQR, *z*-scores R for summary stats.	165-183	176/1,4,6,7 183/1,7,8,10
	Probability Concepts		
2/16	Probability Counting	209-219 226-251	220/1,2,5,13,16 230/3,7,9,13,15
2/23	Counting	242-251	240/2,6,8,14,17 252/2,5,7,15
2/28	Review R for EDA		
3/2	**TEST 1**		
3/7	Discrete Distributions R for counting	333-349	339/3,4,9,13,15,17 349/2,3,9,13
3/9	Binomial distribution Binomial: mean and variance	355-367 371-373	368/1,6,12,15 373/1,7,9,12
3/14	Normal distribution R for binomial	403-416	416/1,2,4,5,7,12
3/16	Normal distribution Normal Approximation	419-422 425-431	422/3,8,9,13 431/1,11,13,15
3/21	Normal vs. Binomial R for normal		441/1,5,10,13,18,22,27

	Statistical Inference		
3/23	Confidence intervals	490-495 514-519	519/1,3,5,7,9
3/30	Hypothesis testing R for confidence intervals	533-538	584/1,2,4
4/4	Review		
4/6	**TEST 2**		
4/11	*z*-test R for tests	538-547	547/1,3,7,9
4/13	*t*-test	549-551	552/1,3,5,7,9,10
4/18	tests of differences R for significance tests	554-563	559/1,5,7 564/1,3,6
4/20	Bivariate data Correlation	588-605	599/1,3,5
5/2	Linear regression R for regression	606-615	616/1,3,7,8,10,11
5/4	Linear regression, β_1	527-630	632/1,3,8
5/9 5/11	Review **TEST 3**		
5/16	Chi-square	669-673	673/1,3,6,10
5/18	Review		
5/??	**Final Exam. Date to be announced**		