	Stat 360-00			Prof. Andrew Ross; TR 11:00-12:15 PH 405			CRN 26346	
Class	date 20	day	unit	Topic	Required Additional Reading	HW Assigned	HW Due	Bonus Tech Material after class
1	1/5	Thu	1	Intro; randomization example; car-insurance advertising; population vs sample, types of data	m360-ch01-data-	Ch 1 preview	* = deviation from usual 7-day delay	text-to-columns
2	1/10	Tue	1;2	Discrete vs Continuous; PivotTables, Bar charts, Dotplots; Ch 2 Bias		Ch 1		Pivot Tables
3	1/12	Thu	2	Random vs Stratified Samples, etc; Random Rectangles activity	m360-ch02.2-2.3	Ch 2a; 2b	Ch 1*	left/mid/right and =DATE
4	1/17	Tue	3	Graphical Methods for Describing Data		Ch 3	Ch 2a*	Kernel Density Estimates (KDEs)
5	1/19	Thu	4	Center, Variability, Boxplots, Empirical Rule, z-scores, Percentiles & Plots	m360-ch04-notes	Ch 4a and 4b	Ch 2b	Marked Scatterplots
6	1/24	Tue	5	Correlation; Regression		Ch 5a	Ch 3	plot the pctile curve; dotplot-histogram-crf
7	1/26	Thu	5	Assessing fit; Nonlinear Relationships and Transformations		5b preview	Ch 4a and 4b	vlookup
8	1/31	Tue	5	5 wrapup		Ch 5b	Ch 5a	Solver for nonlinear regression
9	2/2	Thu	6	Definition and Properties of Prob; Conditional Probability; independence, PIE, Bayes, Prob via Simulation	m360-ch06a-powerpoint, m360-ch06-bayes-	Ch 6		ambulance travel distance simulation
10	2/7	Tue	7	Random Variables; Discrete and Continuous Distributions; Mean and StdDev; linear functions and sums	m360-ch07a-note	Ch 7a	Ch 5b	sumproduct
11	2/9	Thu	7	Binomial, Geometric; Normal; Checking and Transformations for Normality; Binom~Normal; QQ	m360-ch07b-note	Ch 7b	Ch 6	dotplot-histogram-crf-qq
12	2/14	Tue	8	Statistics and Sampling Variability; Sampling Distribution of a Mean		8 preview	Ch 7a	What-If Data Tables, 1-dim
13	2/16	Thu	8	Central Limit Theorem; Sampling Distribution of a Proportion		Ch 8	Ch 7b	What-If Data Tables, 2-dim
	2/21	Tue		break week				
	2/23	Thu		break week				
14	2/28	Tue	9	Point Estimation; Confidence Interval for a Proportion		Ch 9a	Ch 8	conditional formatting
15	3/2	Thu	9	Confidence Interval for a Mean (incl. t-distrib)		Ch 9b		sparklines
16	3/7	Tue		midterm				
17	3/9	Thu	10	Hypotheses and Test Procedures; Errors in Hypothesis Testing; Proportion	m360-ch10a-pow	Ch 10a	Ch 9a	parallel axis plots
18	3/14	Tue	10	Hypothesis Tests for Population Mean; Power and Probability of Type II error		Ch 10b; midterm corrections	Ch 9b	countif, sumif, averageif
19	3/16	Thu	11	2-sample t-test for means (indep); 2-sample t-test for means (paired); skipping 2-proportions	example Proposa	Ch 11	Ch 10a	generating random numbers
20	3/21	Tue	12	Categorical Association part a	handout	Ch 12a; Proposal	Ch 10b	Pivot Tables
21	3/23	Thu	12	Categorical Association part b	handout	Ch 12b	Ch 11; midterm corrections	
22	3/28	Tue	12	Categorical Association part c	handout	Ch 12c	Ch 12a; Proposal	Pasting into Word/ ppt: live or dead copies?
23	3/30	Thu	13	Linear Regression and Correlation: Inferential Methods	m360-ch13-notes	Ch 13	Ch 12b	Excel Regression Tool
24	4/4	Tue	calc	Multiple Testing; Regression to the Mean; Covariance; calculus-based methods	m360-ch99-calcu		Ch 12c	LiveRegression
25	4/6	Thu	calc	Calculus-based methods; Poisson Processes		ch99calc	Ch 13	What-If Goal Seek
26	4/11	Tue	calc	Calc, Poisson; presentation tips	example Present	ch999datafest	Final Report	SQL
27	4/13	Thu		Presentations			Presentation	
28	4/18	Tue		Review day			ch99calc	
	4/20	Thu		Final exam 11:00 a.m. - 12:30 p.m. (usual class time)			ch999datafest	