

Stat 360-0			Prof. Andrew Ross; MW 9:30-10:45 Pray-H 405		CRN 15002			
Stat 360-1			Prof. Andrew Ross; T/R 2:00-3:15 Pray-H 324		CRN 15004			
This schedule is shown for the Mon/Wed section. Just add 1 day to turn it into the Tue/Thu section.								
Class#	Date 2017	day	unit	Topic	Required Additional HW Assigned	HW Due	Bonus Excel Materia	R goals
1	9/6	Wed	1	Intro; randomization example; car-insurance advertising; population vs sample, types of data	m360-ch01-data-types.docx	Ch 1 preview	* = deviation from usual 7-day delay	text-to-columns
2	9/11	Mon	1,2	Discrete vs Continuous; PivotTables, Bar charts, Dotplots; Ch 2 Bias		Ch 1		Pivot Tables
3	9/13	Wed	2	Random vs Stratified Samples, etc; Random Rectangles activity	m360-ch02.2-2.3-powerpoint.pptx	Ch 2a; 2b	left/mid/right and =DATE	handling dates
4	9/18	Mon	3	Graphical Methods for Describing Data Center, Variability, Boxplots, Empirical Rule, z-scores,	m360-ch04-notes.docx	Ch 3	Kernel Density Estimates (KDEs)	Histogram and KDE in R
5	9/20	Wed	4	Percentiles & Plots		Ch 4a and 4b	Marked Scatterplots	Marked Scatterplots
6	9/25	Mon	5	Correlation; Regression		Ch 5a	Ch 3	fit a linear model; see coeff.r,R^2
7	9/27	Wed	5	Assessing fit; Nonlinear Relationships and Transformations		5b preview	Ch 4a and 4b	plot residuals; fit log-transformed models
8	10/2	Mon	5	5 wrapup		Ch 5b	Ch 5a	Solver for nonlinear regression
9	10/4	Wed	6	Definition and Properties of Prob; Conditional Probability; Independence, PIE, Bayes, Prob via Simulation	m360-ch06a-powerpoint.pptx and m360-ch06-bayes-table-handout.docx	Ch 6		ambulance travel distance simulation
10	10/9	Mon	7	Random Variables; Discrete and Continuous Distributions; Mean and StdDev; linear functions and sums	m360-ch07a-notes.docx	Ch 7a	Ch 5b	sumproduct
11	10/11	Wed	7	Binomial, Geometric; Normal; Checking and Transformations for Normality; Binom~Normal; QQ Statistics and Sampling Variability; Sampling Distribution of a Mean	m360-ch07b-notes.docx	Ch 7b	Ch 6	dotplot-histogram-crf-qq
12	10/16	Mon	8	Central Limit Theorem; Sampling Distribution of a Proportion		8 preview	Ch 7a	What-If Data Tables, 1-dim
13	10/18	Wed	8	Point Estimation; Confidence Interval for a Proportion		Ch 8	Ch 7b	What-If Data Tables, 2-dim conditional formatting
14	10/23	Mon	9	Confidence Interval for a Mean (incl. t-distrib)		Ch 9a		for-loops
15	10/25	Wed	9	Confidence Interval for a Mean (incl. t-distrib)		Ch 9b	Ch 8	CIs for groups, plotting
16	10/30	Mon	midterm	midterm		Ch 9a		
17	11/1	Wed	10	Hypotheses and Test Procedures; Errors in Hypothesis Testing; Proportion	m360-ch10a-powerpoint.pptx	Ch 10a	Ch 9b	sparklines
18	11/6	Mon	10	Hypothesis Tests for Population Mean; Power and Probability of Type II error		Ch 10b; midterm corrections		parallel axis plots
19	11/8	Wed	11	2-sample t-test for means (indep); 2-sample t-test for means (paired); skipping 2-proportions		Ch 11	Ch 10a	generating random numbers; seedable-prng
20	11/13	Mon	12	Categorical Association part a	handout	Ch 12a; Proposal	Ch 10b	t.test (low-priority) contingency table from data
21	11/15	Wed	12	Categorical Association part b	handout	Ch 12b	Ch 11; midterm corrections	Pivot Tables
22	11/20	Mon	12	Categorical Association part c	handout	Ch 12c	Ch 12a; Proposal	chisq.test
23	11/27	Mon	13	Linear Regression and Correlation: Inferential Methods	m360-ch13-notes.docx	Ch 13	Ch 12b	Pasting into Word/ppt: live or dead copies?
24	11/29	Wed	calc	Multiple Testing; Regression to the Mean; Covariance; calculus-based methods	m360-ch99-calculus-supplement.docx		Ch 12c	LiveRegression
25	12/4	Mon	calc	Calculus-based methods; Poisson Processes		ch99calc	Ch 13	What-If Goal Seek
26	12/6	Wed		Review Day; Presentation tips		ch999datafest		
27	12/11	Mon	present.	Presentations			Presentation and Final Report	
28	12/13	Wed		no class--other classes having finals			ch99calc and ch999datafest	
	12/18	Mon	final	360-0 final: Mon Dec 18, 9:00-10:30 (A HALF-HOUR EARLY)				
	12/19	Tue	final2	360-1 final: Tue Dec 19 1:30-3:00 (HALF-HOUR EARLY)				