

Stat 360-1				Prof. Andrew Ross; TR 12:30-1:45 PH 305	CRN 16764			
Class#	Date 2016	day	unit	Topic	Required Additional Rea	HW Assigned	HW Due	Bonus Tech Material after class
1	9/8	Thu	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	9/13	Tue	1;2	Discrete vs Continuous; PivotTables, Bar charts, Dotplots; Ch 2 Bias		Ch 1		Pivot Tables
3	9/15	Thu	2	Random vs Stratified Samples, etc; Random Rectangles activity	m360-ch02.2-2.3-powerpoint.pptx	Ch 2a; 2b	Ch 1*	left/mid/right and =DATE
4	9/20	Tue	3	Graphical Methods for Describing Data Center, Variability, Boxplots, Empirical Rule, z-scores, Percentiles & Plots		Ch 3	Ch 2a*	Kernel Density Estimates (KDEs)
5	9/22	Thu	4		m360-ch04-notes.docx	Ch 4a and 4b	Ch 2b	Marked Scatterplots
6	9/27	Tue	5	Correlation; Regression		Ch 5a	Ch 3	plot the percentile curve; dotplot-histogram-crf-etc
7	9/29	Thu	5	Assessing fit; Nonlinear Relationships and Transformations		5b preview	Ch 4a and 4b	vlookup Solver for nonlinear regression
8	10/4	Tue	5	5 wrapup		Ch 5b	Ch 5a	
9	10/6	Thu	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	10/11	Tue	7	Random Variables; Discrete and Continuous Distributions; Mean and StdDev; linear functions and sums	m360-ch07a-notes.docx	Ch 7a	Ch 5b	sumproduct
11	10/13	Thu	7	Binomial, Geometric; Normal; Checking and Transformations for Normality; Binom~Normal; QQ	m360-ch07b-notes.docx	Ch 7b	Ch 6	dotplot-histogram-crf-qq
12	10/18	Tue	8	Statistics and Sampling Variability; Sampling Distribution of a Mean		8 preview	Ch 7a	What-If Data Tables, 1-dim
13	10/20	Thu	8	Central Limit Theorem; Sampling Distribution of a Proportion		Ch 8	Ch 7b	What-If Data Tables, 2-dim
14	10/25	Tue	9	Point Estimation; Confidence Interval for a Proportion		Ch 9a		conditional formatting
15	10/27	Thu	9	Confidence Interval for a Mean (incl. t-distrib)		Ch 9b	Ch 8	sparklines
16	11/1	Tue	midterm	midterm			Ch 9a	parallel axis plots
17	11/3	Thu	10	Hypotheses and Test Procedures; Errors in Hypothesis Testing; Proportion	m360-ch10a-powerpoint.pptx	Ch 10a	Ch 9b	countif, sumif, averageif
18	11/8	Tue	10	Hypothesis Tests for Population Mean; Power and Probability of Type II error		Ch 10b; midterm corrections		
19	11/10	Thu	11	2-sample t-test for means (indep); 2-sample t-test for means (paired); skipping 2-proportions	example Proposals and Reports	Ch 11	Ch 10a	
20	11/15	Tue	12	Categorical Association part a	handout	Ch 12a; Proposal	Ch 10b	Pivot Tables
21	11/17	Thu	12	Categorical Association part b	handout	Ch 12b	Ch 11; midterm corrections	
22	11/22	Tue	12	Categorical Association part c	handout	Ch 12c	Ch 12a; Proposal	Pasting into Word/ppt: live or dead copies?
23	11/29	Tue	13	Linear Regression and Correlation: Inferential Methods	m360-ch13-notes.docx	Ch 13	Ch 12b	Excel Regression Tool
24	12/1	Thu	calc	Multiple Testing; Regression to the Mean; Covariance; calculus-based methods	m360-ch99-calculus-supplement-v2.docx		Ch 12c	LiveRegression
25	12/6	Tue	calc	Calculus-based methods; Poisson Processes		ch99calc	Ch 13	What-If Goal Seek
26	12/8	Thu		Review Day; presentation tips	example Presentations	ch999datafest	Final Report	
27	12/13	Tue	present.	Presentations (T/R class has presentations first)			Presentation	
28	12/15	Thu		no class--other classes having final exams			ch99calc	
29	12/20	Tue	Final	360-1 final: Tue Dec 20, 11:30 (AN HOUR EARLY)			ch999datafest	