

## Teachout Math 140 Homework Schedule Spring 2019 (Feb 4 – March 28)

Date	Scheduled Topics	Assignments
4-Feb	Go over syllabus, Two Types of Data, Collecting Data	Work on Project Part 1, Finish Data Collection Acts 1&3, Journal 1 ( <i>write paragraph on what you have learned about the various methods of collecting data</i> )
5-Feb	Bias, Experiments	Work on Project Part 1, Finish Data Collection Acts 4&5, Journal 2 ( <i>write paragraph on what you have learned about the various types of bias</i> )
6-Feb	Categorical Data Analysis, % of increase, Binomial %	Work on Project Part 1, Finish Data Analysis Act 1
7-Feb	Quantitative Data, Shapes, Normal Quantitative Data Analysis,	Work on Project Part 1, Finish Data Analysis Act 3/ #1-8 only, Affective Domain#1
11-Feb	Z-scores, Empirical Rule, Normal %	Work on Project Part 1, Finish Data Analysis Act 3/ #9-11 only
12-Feb	Skewed Quantitative Data Analysis, Boxplots	Work on Project Part 1, Finish Data Analysis Act 4
13-Feb	Summary Statistics, Review for Exam#1	Work on Project Part 1, Finish Exam1 Review Sheet, Study for Exam
14-Feb	<b>Exam#1</b>	Work on Project Part 1, Affective Domain#2
18-Feb	<b>Holiday</b>	Work on Project Part 1, Affective Domain#3
19-Feb	Parameters and Statistics, Sampling Distributions for %	Work on Project Part 1, Finish Data Collection Act2, Conf Int Act 3&4
20-Feb	Sampling Distributions for the Mean, Interpreting Conf Int	Work on Project Part 1, Finish Conf Int Act 1,2,5, Journal 3 ( <i>write paragraph on what you have learned about sampling distributions and sampling variability</i> )
21-Feb	Critical Value Z-scores, T-scores, 1 population confidence intervals	Finish Project Part 1 (last day), Finish Conf Int Act 6,8,10, Journal 4 ( <i>write paragraph on what you have learned about confidence intervals</i> )
25-Feb	<b>Project Part 1 Due Today</b>	Work on Project Part 2, Finish Conf Int Act 9,11,12
	Confidence, Central Limit Theorem, Assumptions,	
26-Feb	2 population Confidence Intervals, Bootstrapping	Work on Project Part 2, Finish Conf Int Act 14,15, Journal 5 ( <i>write paragraph on what you have learned about bootstrapping</i> )
27-Feb	Review for exam#2	Work on Project Part 2, Finish Exam2 Review Sheet, Study for Exam
28-Feb	<b>Exam#2</b>	Work on Project Part 2, Affective Domain#4
4-Mar	Null & Alternative Hypothesis, Test Statistics & Critical Values	Work on Project Part 2, Finish Hyp Test Act 2&3
5-Mar	P-value, Significance Levels and Simulations	Work on Project Part 2, Finish Hyp Test Act 4&5, Journal 6 ( <i>write paragraph on how to use P-values and Test statistics to judge significance and random chance</i> )
6-Mar	Conclusions, Type1 & Type 2 errors	Work on Project Part 2, Finish Hyp Test Act 6&9
7-Mar	Assumptions, 1 population mean & proportion hypothesis tests	Finish Project Part 2 (last day), Finish Hyp Test Act 7&8
11-Mar	<b>Project Part 2 Due Today</b>	Work on Project Part 3, Finish Hyp Test Act 11,12, Journal 7 ( <i>write paragraph on what you have learned about 1 and 2 population hypothesis tests</i> )
	Assumptions, 2 population mean & proportion hypothesis tests,	
12-Mar	Review for Exam#3	Work on Project Part 3, Finish Exam3 Review Sheet, Study for Exam
13-Mar	<b>Exam#3</b>	Work on Project Part 3, Affective Domain#5
14-Mar	Categorical / Quantitative Relationships, ANOVA	Work on Project Part 3, Finish Hyp Test Act 16,17, Affective Domain#6
18-Mar	Chi-Squared Test Statistic, Goodness of Fit Hypothesis Tests	Work on Project Part 3, Finish Hyp Test Act 13
19-Mar	Categorical Relationships, Contingency Tables	Work on Project Part 3, Finish Data Analysis Act 2
20-Mar	Independence/Homogeneity Hypothesis Test, Scatterplots & Correlation	Work on Project Part 3, Finish Hyp Test Act 14,15, Correlation Game
21-Mar	Regression, Residuals, Correlation Hypothesis Test	Finish Project Part 3 (last day), Finish Data Analysis Act 5, Hyp Test Act 18,19 Journal 8 ( <i>write paragraph on what you have learned about ANOVA, Goodness of Fit, Independence/Homogeneity, and Correlation Hypothesis Tests</i> )
25-Mar	Review for Exam; <b>Project Part 3 Due Today</b>	Finish Exam4 Review Sheet, Study for Exam
26-Mar	<b>Exam#4</b>	Study For Final Exam
27-Mar	Final Review	Study for Final Exam
28-Mar	<b>Final Exam</b>	