

Teachout Math 140 Homework Schedule Spring 2019 (Tuesdays & Thursdays)

Date	Scheduled Topics	Assignments
5-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>)
7-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>)
12-Feb	Categorical Data Analysis, % of increase, Binomial %	Work on Project Part 1, Finish Data Analysis Act 1
14-Feb	Quantitative Data, Shapes, Normal Quantitative Data Analysis,	Work on Project Part 1, Finish Data Analysis Act 3/ #1-8 only, Affective Domain#1
19-Feb	Z-scores, Empirical Rule, Normal %	Work on Project Part 1, Finish Data Analysis Act 3/ #9-15 only
21-Feb	Skewed Quantitative Data Analysis, Boxplots	Work on Project Part 1, Finish Data Analysis Act 4#1-7
26-Feb	Summary Statistics, Review for Exam#1	Work on Project Part 1, Finish Exam1 Review Sheet, Study for Exam
		Finish Data Analysis Act 4#8-9
28-Feb	Exam#1	Work on Project Part 1, Affective Domain#2
5-Mar	Parameters and Statistics, Sampling Distributions for %	Work on Project Part 1, Finish Data Collection Act2, Conf Int Act 3&4
7-Mar	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>)
12-Mar	Critical Value Z-scores, T-scores, 1 population confidence intervals	Finish Project Part 1 (last day), Finish Conf Int Act 6&7
14-Mar	Project Part 1 Due Today	Work on Project Part 2, Finish Conf Int Act 9,11,12, Journal 4 (<i>write paragraph on what you have learned about confidence intervals</i>)
	Confidence, Central Limit Theorem, Assumptions,	
19-Mar	2 population Confidence Intervals,	Work on Project Part 2, Finish Conf Int Act 14, Affective Domain#3
21-Mar	Bootstrapping	Work on Project Part 2, Finish Conf Int Act 15, Journal 5 (<i>write paragraph on what you have learned about bootstrapping</i>)
26-Mar	Review for exam#2	Work on Project Part 2, Finish Exam2 Review Sheet, Study for Exam
28-Mar	Exam#2	Work on Project Part 2, Affective Domain#4
2,4-Apr	Spring Break	
9-Apr	Null & Alternative Hypothesis, Test Statistics & Critical Values	Work on Project Part 2, Finish Hyp Test Act 2&3
11-Apr	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>)
16-Apr	Conclusions, Type1 & Type 2 errors	Work on Project Part 2, Finish Hyp Test Act 6&9
18-Apr	Assumptions, 1 population mean & proportion hypothesis tests	Finish Project Part 2 (last day), Finish Hyp Test Act 7&8
23-Apr	Project Part 2 Due Today	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	
25-Apr	Review for Exam#3	Work on Project Part 3, Finish Exam3 Review Sheet, Study for Exam
30-Apr	Exam#3	Work on Project Part 3, Affective Domain#5
2-May	Categorical / Quantitative Relationships, ANOVA	Work on Project Part 3, Finish Hyp Test Act 16,17
		Watch "Anova 1", "Anova 2" & "Anova 3" videos on www.khanacademy.org and take notes.
7-May	Chi-Squared Test Statistic, Goodness of Fit Hypothesis Tests	Work on Project Part 3, Finish Hyp Test Act 13
9-May	Categorical Relationships, Contingency Tables	Work on Project Part 3, Finish Data Analysis Act 2, Affective Domain#6
14-May	Independence/Homogeneity Hypothesis Test, Scatterplots & Correlation	Work on Project Part 3, Finish Hyp Test Act 14,15, Correlation Game
16-May	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>)
21-May	Review for Exam; Project Part 3 Due Today	Finish Exam4 Review Sheet, Study for Exam
23-May	Exam#4	Study For Final Exam
28-May	Final Review	Study for Final Exam

Teachout Math 140 Homework Schedule Spring 2019 (Tuesdays & Thursdays)

30-May	Final Exam	
--------	------------	--