

Teachout Math 140 Homework Schedule Spring 2019 (April 8 – May 30)

Date	Scheduled Topics	Assignments
8-Apr	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>)
9-Apr	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>)
10-Apr	Categorical Data Analysis, % of increase, Binomial %	Work on Project Part 1, Finish Data Analysis Act 1
11-Apr	Quantitative Data, Shapes, Normal Quantitative Data Analysis,	Work on Project Part 1, Finish Data Analysis Act 3/ #1-8 only, Affective Domain#1
15-Apr	Z-scores, Empirical Rule, Normal %	Work on Project Part 1, Finish Data Analysis Act 3/ #9-15 only
16-Apr	Skewed Quantitative Data Analysis, Boxplots	Work on Project Part 1, Finish Data Analysis Act 4
17-Apr	Summary Statistics, Review for Exam#1	Work on Project Part 1, Finish Exam1 Review Sheet, Study for Exam
18-Apr	Exam#1	Work on Project Part 1, Affective Domain#2&3
22-Apr	Parameters and Statistics, Sampling Distributions for %	Work on Project Part 1, Finish Data Collection Act2, Conf Int Act 3&4
23-Apr	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>)
24-Apr	Critical Value Z-scores, T-scores, 1 population confidence intervals	Finish Project Part 1 (last day), Finish Conf Int Act 6&7,
25-Apr	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>)
29-Apr	Confidence, Central Limit Theorem, Assumptions, 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>)
30-Apr	Review for exam#2	Work on Project Part 2, Finish Exam2 Review Sheet, Study for Exam
1-May	Exam#2	Work on Project Part 2, Affective Domain#4
2-May	Null & Alternative Hypothesis, Test Statistics & Critical Values	Work on Project Part 2, Finish Hyp Test Act 2&3
6-May	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>)
7-May	Conclusions, Type1 & Type 2 errors	Work on Project Part 2, Finish Hyp Test Act 6&9
8-May	Assumptions, 1 population mean & proportion hypothesis tests	Finish Project Part 2 (last day), Finish Hyp Test Act 7&8
9-May	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>)
13-May	Assumptions, 2 population mean & proportion hypothesis tests	Work on Project Part 3, Finish Exam3 Review Sheet, Study for Exam
14-May	Exam#3	Work on Project Part 3, Affective Domain#5
15-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.
16-May	Chi-Squared Test Statistic, Goodness of Fit Hypothesis Tests	Work on Project Part 3, Finish Hyp Test Act 13, Affective Domain#6
20-May	Categorical Relationships, Contingency Tables	Work on Project Part 3, Finish Data Analysis Act 2
21-May	Independence/Homogeneity Hypothesis Test, Scatterplots & Correlation	Work on Project Part 3, Finish Hyp Test Act 14,15, Correlation Game
22-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>)
23-May	Review for Exam; Project Part 3 Due Today	Finish Exam4 Review Sheet, Study for Exam
27-May	Holiday	Finish Exam4 Review Sheet, Study for Exam
28-May	Exam#4	Study For Final Exam
29-May	Final Review	Study for Final Exam
30-May	Final Exam	