

## Assessment 2 Take-Home Project

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This assignment is due the Tuesday after we get back from Spring Break, at which time we'll also have an in-class assessment. This take-home assignment will be worth 20% of Assessment 2.

You may consult with other classmates on this assignment, but you must complete analysis on your own data. You can also use me as a resource, but I will not be answering emails during Spring Break since I plan to be thousands of miles away, so plan accordingly. You will be given a data set that is unique to you, so do not try to turn in someone else's assignment.

In your data file, you will see that some poor soul rolled two dice 1000 times. Rolling two dice, the sum of the dice is going to be something between 2 and 12. Using the data you are given, perform an analysis similar to what you completed for Homework 14.

You will need to calculate the sum of each roll and count the occurrences of the sums 2 through 12. Create a table where you summarize the results from the first 10 rolls, the first 100 rolls, and all 1000 rolls. **(10 pts)**

*Note: there is an "easy" way, and a "hard" way to do this. The hard way is to manually count all thousand sums. Figure out a better way to do it.*

Second, create a column chart where you graph your results, scaling all your data as well as the theoretical results to 1000. **(10 pts)**

Submit the Excel workbook with your original data, the table, the chart, and any additional calculations you may have made through Blackboard.

***Due Tuesday, March 16<sup>th</sup> at the beginning of class.***