

CSE 519 -- Data Science (Fall 2019)
Prof. Steven Skiena
Homework 1: Quant Shop Video Review
Due: Thursday, September 5, 2019

In Fall 2014, I ran a version of this course as a ``TV reality show'' in data science, resulting in a professionally-edited episode for each of the eight team projects. Students are encouraged to watch the videos at www.quant-shop.com for insight into common pitfalls in data science. Experience is the best teacher, so I hope you can benefit from the experience of others.

Tasks

(1) Watch the two video programs which have been assigned to you on the basis of the last two digits of your university ID number:

- 00-24 -- watch episodes 1 and 2
- 25-49 -- watch episodes 3 and 4
- 50-74 -- watch episodes 5 and 6
- 75-99 -- watch episodes 7 and 8

Then take a quick look through the team's project report, at <http://www.quant-shop.com>.

You will submit your assignment through Google Classroom. There should be four assignments - one for each video you will review. You will submit your answers through Google Forms, which is linked on the assignments on Google Classroom. Make sure to choose different videos for each assignment.

There is a form for reference in the next page to preview the questions you will be asked.

(2) Repeat the above for two other programs from the series, of your choice. For each episode, fill out a separate review form, making a total of four required to submit.

(3) Feel free to continue watching episodes so long as you find it worthwhile. There will not be any grade rewards beyond the four shows, however, so only watch what you are interested in.

Rules of the Game

- This assignment must be done **individually by each student**. This is not a group activity.
- You will *not* be graded on the basis of how much you like the programs, so be honest here. Your feedback will determine whether/how I use them in future years.
- Try to learn something about data science from the videos. I am hoping this experience is more than just amusement.

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Quant Shop Video Review Form

Name _____ Email _____

ID Number _____

Video episode title: _____ Episode number (1-8) _____

Of the eight episodes, how many have you previously watched? (0-7) _____

Give the month and year you started your graduate studies at Stony Brook _____

Did you learn anything by watching it? (Y/N) _____ Describe stuff you did learn below (if Y):

What did you learn from looking at their project report?

Rate program quality from 1 (terrible) to 10 (amazing): _____ Was it worth watching (Y/N)? _____

What could we do to make the videos better, and more educational?