

Homework Assignment # 4
Due on May 20(Wed), 10:00

Direction: You have to present your work as the format, 5 min - oral presentation and 5 min Q-A in the class(10:30 at May 20, Wednesday). The grading of this homework is double the regular homework assignment.

Submit a PDF of your presentation with all codes. Upload that files including all codes through BB with a file name in your name, for example, bongsoo-hw4.zip.

Data Scientist looks at the Star Wars movies to extract the social networks, within each film and across the whole Star Wars universe. Network structure reveals some surprising differences between the movies, and finds who is actually the central character.

We have learned many measurements to find important nodes and edges in the class. Using network measurements, you propose why many people love to watch starwars movies.

CVS data for the Startwars episode 1 to 6 are given. Using these data, you can construct any network to accomplish your goal. There are limitation within 6 pages in your presentation slides.

There are several references on this issues; References:

- https://rpubs.com/apoorvrusia/starwars_networkAnalysis
- <https://www.kdnuggets.com/2015/12/star-wars-social-network-who-is-central-character.html>