

Option 1 - Changing File Type

Part a - BookCrossing data set - 10 points

+5 able to read in the data set

+5 makes accurate predictions

Part b - 2016 movies - 10 points

+5 able to read in the data set

+5 makes accurate predictions

Part c - 5 points (choose one of below)

Suboption 1 - flexible data input files

+5 if they use a design pattern to make their code more flexible to support any future type of file input

Option 2 - Changing the recommendation engine

Part a - cosine similarity - 10 points

+5 implementing the cosine similarity equation

+5 predictor still functions well

Part b - baseline predictor - 10 points

+5 implementing the baseline predictor

+5 predictor still functions well

Part c - finding best predictor - 5 points

+5 for providing a reasonable explanation to how they experimented to determine best algorithm and which one they found to be best