

Week 2 Assignment – Recommend movies. SQL & R. (30 points)

Data Collection (5 points)

Create text file or spreadsheet to collect data. (3 points)

Create survey to collect data. (+ 2 points)

Storing data in a relational database (8 points)

Provide code to create tables (2 points)

DB has more than one table, a normalized set (+1 points)

Provide code for populating the tables from the survey or .csv text file (5)

Implement Database in the Cloud (e.g. on AWS RDS) (extra credit: 1 point)

Importing and Preparing Data (8 points)

Using a secure password (extra credit: 1 point)

Wrote code in R Markdown to import DB data for analysis (4)

Handled missing data on load (unless you can defensibly explain that all six people viewed all six movies, you will have missing data) (4)

Reproducibility (4 points)

Is data available on the web? (2)

Are you using R Markdown text and headers? (2/2)

Analysis (1 point)

Is there a movie that you would recommend or not recommend to one of the participants? Explain your reasoning. [I don't want to include it in the rubric, but student should not recommend a movie that participant has already seen!]

Documentation (2 points)

Have you included an overview of your approach, that describes the assigned problem and clearly explains the workflow? (1.0)

Have you provided a conclusion (including any findings and recommendations) (1.0)

Submission (2 points)

Have you published to rpubs and provided a link in your assignment submission?

Have you published to GitHub and provided a link in your assignment submission?

Extra Credit (2 points). Have you included a publication quality graphic or table?