

BIOS 611 Grading Report

Project 3

Student Name: Ty Darnell

Summary

Item	Points
Completion	50
Code Presentation	5
Graphical Presentation	10
Interpretability	3
Creativity	3
Total	71

Detailed Feedback

Completion

Students incorporated all the required tools and actions specified in the project definition.

Points: 50 out of 65

Comments: How did you get the institution.csv file? Did you get to try using Docker to run shiny? I ran into an error using Docker. Nextflow problem. In main.nf, Your path to institution.csv is missing a folder 'institution'. You should read this second input the same way as the abstracts, e.g. use Channel.fromPath. Your main.nf file looks fine elsewhere but I am not 100% sure because I cannot finish running the 2nd process 'top' due to the next two things (see next section).

Code Presentation

Formatting and quality of code organization and comments, e.g. code is clear, readable, and efficient with appropriate spacing, indentation, and comments.

Points: 5 out of 10

Comments: Overall your comments are clear and your Nextflow script and readme file are easy to read. 1. There is a very obvious error in createdata.R and top.R where you define arg in line 3: the True should be TRUE or T. 2. In top.R, top_collabs is not found and it looks like a chunk of code is missing. I stopped here because I can no longer continue reproducing your code. 3. Your datawrangle.R script runs for a long time locally. Using nextflow would make it faster because of its parallel structure. 5. Thankfully, I was able to generate top10.csv and shiny app locally.

Graphical Presentation

Formatting and professionalism of figures/tables, e.g. axes on plots, variable names and units, sizes/shapes/colors, as well as titles and footnotes (if necessary) are defined.

Points: 10 out of 15

Comments: The title is very not informative. There is no figure caption or text in the plot and it would have been nice to add a description of the scale (e.g. the largest words appeared x times per abstract) or explain what each color means. You gave top university on the left but what is their ranking?

Interpretability

Quality of text description, e.g. well-written interpretation and conclusions are made instead of just plain plots and tables.

Points: 3 out of 5

Comments: No text describing the source of data, the manner of analysis, or interesting trends the user should look for.

Creativity and Significance

Are there interesting and creative methods/outputs/conclusions? We encourage you to go above and beyond just reporting summary statistics.

Points: 3 out of 5

Comments: You chose a suitable R package, wordcloud, for this project.