Project_guide

SS3850G

winter term, 2020

Objective of the project

- The ultimate goal of this project is for you to learn and try something new and write a report about it. Hopefully, this can be developed into something bigger. E.g., you might develop your project to enter a Kaggle competition; or you could present it to a possible employer.
- Create a github account and post?–You should know better than me how to promote your work.

Independent work. Provide references.

- Credits are given if you have combined information from different sources.
- It is essential to provide references for your report.
- The report much be relevant to this course. Please do not submit your project from other courses.

Some important components of the project report is listed in the following

1. Introduction:

- clearly state the goal of your project.
- Describe the dataset you are using.
- Provide a literature review of what other people have done with the dataset you are using.
- Clearly describe what you will be doing with the dataset, and how your methods might be different from others.

2. Analysis:

- Clearly describe your analysis procedure and the R packages that you have used
- State your results. Compare the result if you have used more than one methods.

3. Conclusion.

- State what you have learned from the project. You could state here the packages or methods you have learned.

4. References

- List all the references you have used. At least three is needed.

Software

- You may use whatever packages you like (learned or will learn). In fact, extra points will be given if you show that (1) you learned a new package (2) designed a simulation to show a point (illustrate a concept).

Some detailed marking scheme

1. Copying from one source: 0-50
2. Exactly follow the structure of one reference, but independently run the code and write the report: 50-60.
3. using structure (code) somewhat different from one references; independently run the code and write the report: 60-70
4. Develop the code and report text independently. Extend the references, highlight points on what you have leared and done differently: >70 .

- 90-100: Develop the code and report text independently.Good analysis of data, **good** comparisons of different methods, good explaination of why one method is better than others for the dataset. Outstanding presenation and writing of the report.
- 80-90: Develop the code and report text independently. Good analysis of data, **some** comparisons of different methods. some explaination of why one method is better than others for the dataset. Excellent presenation and writing of the report.
- 70-80: Develop the code and report text independently. Good analysis of data, **some** comparisons of different methods. Excellent presenation and writing of the report.

Format of project report

All reports have to be written with R Markdown. Make sure that your markdown file can run! Otherwise, a mark of zero is given. You will need to submit

- the dataset or its exact source
- R markdown file
- the output.

Due date

- The project is due on the final examination date of the course. You may just submit it via OWL. No later submission will be accepted.