Final project – INFO523

TL; DR; You are expected to present a data mining application/algorithm/method not covered in class. You should provide feedback to at least two presentations.

OBJECTIVES: Students will practice how to communicate topics in data mining. You will prepare a 15–20-minute presentation about a data mining topic (e.g. application, algorithm, method, test) not discussed in class. The idea is to go a bit further in those topics that are potentially more relevant to students for their research, job, or general interest. Students will record a 15–20 min presentation on a data mining topic. Feel free to work solo or in pairs. Multiple groups can present on the same topic.

PRESENTATION: The presentation (**15–20 min**) should include the following five aspects:

1. Background information and purpose of the model/technique/method
2. Details on how this topic relates to any of the topics in the class
3. Real-world applications
4. A worked example in R/python using real or simulated data (mandatory). You'll have to provide a link to a relevant GitHub repo in your submission.
5. Conclusions, recommendations, and future work

Record your presentation to the cloud using Zoom (*Do NOT protect your video with a password*). You can also record your video using any other tools and share a link to YouTube or Google Drive.

SUBMISSION (through D2L): By the deadline, turn in a PDF, TXT, or DOC* file including **ONLY** the following information: (1) the link to your presentation, (2) a title for your talk, (3) list all your group members (if necessary), (4) a link to the relevant GitHub repo with an example that is relevant to your talk (e.g. see #4 under PRESENTATION), and (5) a summary of your talk (<300 words). Presentations will be posted in D2L on the final week of class. Please submit one document per group.

GRADING (40 points): Weights as follows: 100%: all points in **PRESENTATION** are addressed; 50%: less than 50% of points are addressed; 0% no presentation.

PENALTIES: Please provide feedback for at least two presentations (see form below). If you fail to do so, there will be a 25% penalty on your final grade for this component.

Need help? Please get in touch with the instructor if you need additional advice to select your topic!

Late submissions won't be graded.

Presentation title:

Presenter:

Instructions to reviewer: Use these criteria to rate the poster presentation on a scale of 1-5 (1=strongly disagree; 3=neutral; 5=strongly agree).

Appropriateness

The poster presents a topic relevant to the course?	No Yes

Appearance	**5 is strong agreement**
1. Presentation attracts viewer's attention.	1 2 3 4 5
2. Sentences are easy to read.	1 2 3 4 5
3. Presentation is well organized and easy to follow.	1 2 3 4 5
4. Graphics and other visuals enhance presentation.	1 2 3 4 5
5. The presentation is neat and appealing to look at.	1 2 3 4 5

Content	
6. Content is clear and easy to understand.	1 2 3 4 5
7. Purpose of model is stated clearly.	1 2 3 4 5
8. Relevance clearly stated.	1 2 3 4 5
9. Key aspects of the topic are stated clearly.	1 2 3 4 5
10. There is enough detail about methods for me to understand the model and results.	1 2 3 4 5
11. The approach taken is in the R example is clear.	1 2 3 4 5
12. Presentation is free of unnecessary detail.	1 2 3 4 5
13. Conclusions are stated clearly.	1 2 3 4 5
14. Conclusions are supported by model results.	1 2 3 4 5

Presentation

15. Presenter's response to questions demonstrated knowledge of subject matter and project.	1 2 3 4 5
16. Overall, this was a great presentation.	1 2 3 4 5

Other comments (at least three cohesive sentences for your classmate)