

Virtual conference sessions – INFO523

Rubric (Fall, 2021)

tl;dr

You are expected (i) submit an abstract outlining a brief data mining project, (ii) present said project to your peers, (iii) provide feedback on a peer's presentation, and (iv) submit your code either in an R script, small R package or a Shiny app.

Claim your presentation topic by week 3:

<https://docs.google.com/spreadsheets/d/1lhb2bHV-PnwwlmZyIjJS9RtSiv8kiRLtriYjSu06mE4/edit?usp=sharing>.

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. algorithm, method, test). I recommend choosing topics that are close to any discussed in class (<https://dmf2021.github.io/about/>). 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. This assignment has three main parts:

- **Group conformation** (due week 2): students can decide if they want to work solo or with a partner (see also the *Group Work Policy*).
- **Topic selection** (due week 3): students will post the selected topic in the relevant spreadsheet (linked in D2L; <https://docs.google.com/spreadsheets/d/1lhb2bHV-PnwwlmZyIjJS9RtSiv8kiRLtriYjSu06mE4/edit?usp=sharing>) the main topic of their presentation. Multiple groups cannot present the same topic.
- **Conference session** (due week 7). The instructor will post a spreadsheet on D2L where students will (i) list their availability (throughout the target week) to present their topic to the class. Speakers will also (ii) provide a zoom link that will be open to any student in the course interested in attending. Each presentation must be recorded and (iii) **must** be turned in to the relevant dropbox in D2L.

Additional notes

- At least one student should attend each presentation
- Each student should attend at least one presentation.

Project components

Abstract

Please use the IEEE abstract template (max, 300 words and 3 figures):

https://www.ewh.ieee.org/r2/wash_nova/mags/ieeeimagine/abstract_template.html

Presentation

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

- Background information and purpose of the model (if applicable)
- Details on how this topic relates to any of the topics in the class
- Real-world applications with an example
- A worked example in R using real or simulated data
- Conclusions and recommendations

R script, package or Shiny app

- Please create and submit a GitHub repo with all the relevant data/scripts/functions
- Please annotate all the functions (or relevant lines) in the script or package
- Please run R CMD checks (if applicable)

Feedback:

- Use the form at the end of this rubric to provide feedback on the presentation(s) you attend
- Please add your own comments on the presentation at the end of the form

Grading (30% of the final grade):

Conference session (15% of the total grade): Weights within this component as follows.

- (i) Presentation: 50% (100%: all bullet points are addressed; 50%: less than 50% of bullet points are addressed; 0% no presentation)
- (ii) Provides feedback: 50% (100%: provides complete feedback; 50%: feedback does not include comments; 0%: no feedback provided)

Final project submission (15% of the total grade): Weights within this component as follows.

- (iii) Submit an abstract: 50% (100%: follows IEEE guidelines; 50%: follows 50% of guidelines; 0% no submission)
- (iv) Submits code in an annotated R script. small R package or a Shiny app: 50% (100%: R CMD checks run without errors and functions are annotated; 50%: R CMD checks run without errors and functions are partially annotated or functions are well annotated, but R CMD finds errors; 0%: no submission)

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 poster presentation.

1 2 3 4 5

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