DSC 210 Rehearsal Feedback Form

Group number: # 1
Group topic: Data Mining, Item Recommendation Systems
Group members: Joel Polizzi, Antariksha Ray, Lora Khatib, Jemin Vagadia
Feedback from the Partner Group: #2

- Date: 12/02/24
- Partner Group members: Shankara Raju, Ananay Gupta, Chirag Agarwal, Raghav Kachroo

Please summarize the feedback you get from the Partner group:

- Evaluation criteria
    - (a) Clarity of slides and presentation
    - (b) Presentation of equations
    - (c) Are the limitations shown for each method
- Good things
    - Outlining SVD, BPR, and Bert4Rec
    - Presentation of equations
    - Explanation of deep learning technique to improve accuracy.
    - Graph visualizations for interpretability
- To-be-improved things
    - A little over time, need to take a minute or two off the presentation.

Please summarize the feedback you give to the Partner group:

- What is the presentation about (a short paragraph)

    Overall the group did a great job at describing their linear algebra approach of implementing Kalman filtering and the state-of-the-art approach of leveraging DeepSort for object detection. Their formulation was clear, and they laid out the equations that they implemented clearly in a single slide. They describe how object detection is improved upon by using DeepSort and a convolution neural network to increase accuracy of object detection. They demonstrated their experiment setup and results cleanly and provided interpretable graphs for visualizing the test outputs. They were clear and precise in their explanations and provided a thoughtful presentation on their topic. The only point of criticism I have is that they are over time by about 5 minutes and could shave down a little bit in order to get closer to the 10-minute target.

- Evaluation criteria
    - (a) Does the presentation flow?
    - (b) Are the mathematical concepts explained well?
    - (c) Do the results make sense in the experiment?
- Good things
    - Common challenges explanation in Kalman filter solutions

    - Update function- explanation of the Kalman mathematical formulation. Good explanation of each variable.
    - Comparison between SOTA and linear is well done.
    - The demonstration provides a clear example between the two methods
- To-be-improved things
    - timing