

CS412 - Project Presentation Guidelines and Tips

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1. Timing

- The presentation should last around **5 – 7 minutes long**.

2. Structure

Your presentation is expected to include the following sections (suggested):

1. Introduction

- Briefly introduce your project.
- State the problem you aimed to solve and its relevance to machine learning.

2. Dataset

- Describe the dataset used, including its source and key characteristics.
- Mention the data preprocessing steps (e.g., handling missing data, normalization, or any specific steps you applied based on the dataset's characteristics).

3. Methodology

- Explain the machine learning models or algorithms you used.
- Highlight why these approaches were chosen or how you designed them.
- If applicable, discuss any feature engineering or heuristics you applied.

4. Results

- Evaluations: present key metrics (e.g., accuracy, precision, recall, RMSE) and their significance.
- Use clear visualizations (e.g., graphs, tables) to compare models or methods.

5. Challenges and Adaptations

- Discuss any challenges you faced and how you adapted your approach.

6. Conclusion

- Summarize your findings (and their implications).
- Suggest potential future works, improvements or applications. *(If there are additional tasks or experiments you planned in your proposal but have not yet*

completed, you can mention them here and ensure they are addressed in your final report. If your planned work is completed, you can discuss potential future extensions or areas that could be further optimized.)

- You may include a slide for team member contributions (optional).

3. Presentation Tips

- **Clarity:** Avoid overwhelming slides with text—use bullet points and visuals.
- **Team Effort:** Ensure all group members contribute to the presentation.
- **Rehearse:** Practice as a group to ensure smooth transitions and adherence to the time limit.

4. Special Accommodations

- Your presentation should ideally showcase the completed project, including all planned work and results.
- We understand that unforeseen challenges may arise during your project. As a special accommodation, if your work is not fully completed, you can present the initial stages and any preliminary results, provided you explain the incomplete parts during your presentation. This will ensure no points are deducted for the presentation. However, your final report and code must be fully completed to avoid penalties.