

Presentation 1

- Links to presentation(s) and code(s) on GitHub

Presentation Link:

https://github.com/arvindkrishna87/STAT390_CMIL_Fall2025/blob/main/Presentations/Presentation%201%20-%20STAT%20390.pdf

No code this week

- What did you do?

For presentation 1, I went through the Spring 2025 resources to understand current progress on the project. I mainly focused on the individually trained models, MIL, and image resizing steps. Given my primary interest in working on the individually trained models and image resizing, I provided suggestions on how variations of models and image resizing methods to try. I also examined past presentations related to image padding for adaptive pooling.

Additionally, I took this time to revisit STAT 362 concepts related to CNN, as I found a knowledge gap in my technical knowledge of the project.

- How does it help the project?

Identifying possible image resizing methods will be beneficial in improving the performance of both the independent models and MIL. Generally understanding previous work will allow me to build off of current ideas and suggest improvements.

- Issues faced (if any)

Understanding some of the code was difficult, specifically for MIL. I will spend the upcoming week asking questions about the code and understanding the process.

- Attempts to resolve issues (if any)

I used ChatGPT to get detailed explanations of the code and looked through the MIL presentations. I will ask additional questions at the mentor meeting next week.

- Issues resolved (if any)

N/A

- Next steps

Based on the feedback from Presentation 1, I will dive deeper into the proposed ideas and start implementing code if possible. I still need to spend more time examining past materials and better understand the code.

- References (Mention if you built up on someone else's work)

Adaptive Pooling Presentation:

https://github.com/arvindkrishna87/STAT390_SP25_CMIL/blob/main/Presentations/Presentation%205/Adaptive%20Pooling%20Padding%20%E2%80%93%20Presentation%205.pdf

Jeffrey and Harvey's Presentation:

https://github.com/arvindkrishna87/STAT390_SP25_CMIL/blob/main/Presentations/Presentation%205/5_28%20ML%20Presentation.pdf

Veer's Final Presentation:

[https://github.com/arvindkrishna87/STAT390_SP25_CMIL/blob/main/Presentations/Presentation%206/ResNet50%20Final%20Models%20\(Presentation%206\).pdf](https://github.com/arvindkrishna87/STAT390_SP25_CMIL/blob/main/Presentations/Presentation%206/ResNet50%20Final%20Models%20(Presentation%206).pdf)