



Project Kickoff

Machine Learning for Engineering Applications

Fall 2023

Proposal and Executive
Summaries

1

Demo

2

Report

3



UNDERGRAD TEAMS!

- Due date: Oct. 18th
 - Purpose: Have the team formed and dedicated to the executive summary
 - Send the Email ASAP
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Teams

- Team members must be included in the summary
 - Teams can be of a single, 2, or 3 members
 - The bigger the group → expectations are higher
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Executive Summary

- Due date: Oct. 27th
 - Purpose: To sell the idea & highlight contribution
 - *I will grade your grammatical structure as well*
 - Provided a Rubric on how the summary will be graded
-

Executive Summary

- No more than 2 pages long
 - single column
 - single-spaced
 - font 12pt.
 - 1-inch margins
-
- Include figures and/or process diagrams or any other material to justify the project goals-outcomes
-

Executive Summary

- Keep this in mind:

What are the questions I'm trying to answer with the data?

(have a hypothesis)

Proposal

- Due date: Oct. 27th
 - Purpose: To sell the idea
 - *I will grade your grammatical structure as well*
-

Proposal

- The proposal document illustrates and **sells the ML/DL solution idea**, **implementation**, **test scenarios**, and **expected goals**.
 - The project can be inspired by your thesis research work or something else...but it must have an engineering aspect.
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Proposal

- No more than 5 pages long
 - single column
 - double-spaced
 - font 10pt.
 - 1-inch margins
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- Include figures and/or process diagrams or any other material to justify the project goals-outcomes
-

Proposal

- Keep this in mind:

What are the questions I'm trying to answer with the data?

(have a hypothesis)

Proposal **Changes**

- Due date: **Nov. 3rd**
 - Single Page highlighting the changes to the proposal
 - Research & feedback will drive the changes
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Findings and Executive Summaries

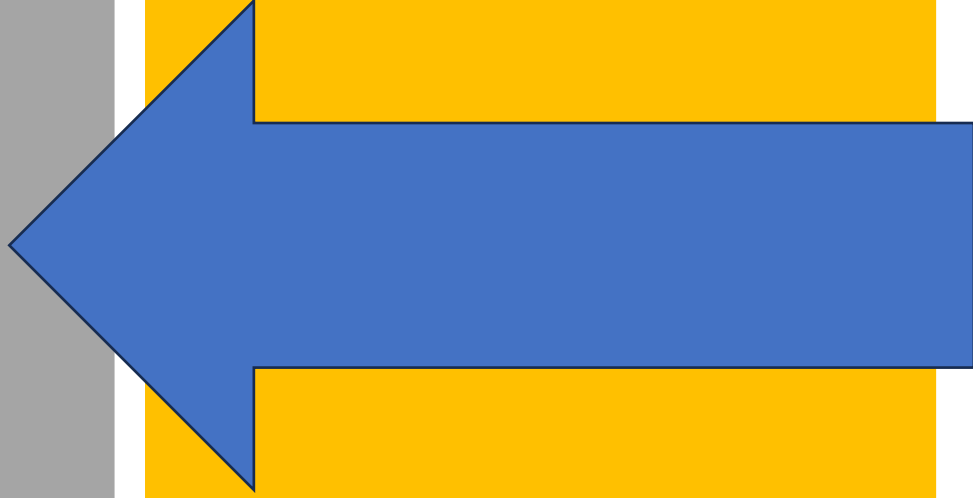
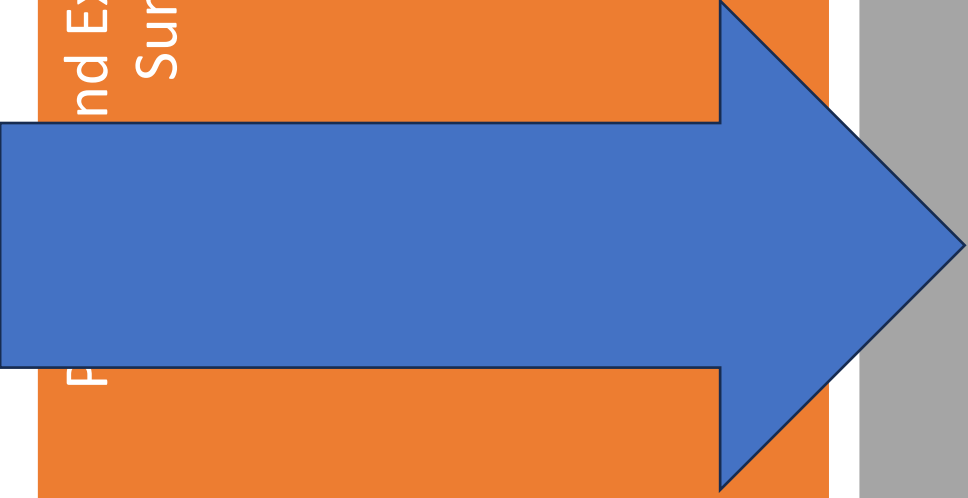
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Demo

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Demo

- Demos will be in person during finals week
 - Dec. 4th – 8th
 - These will be over day-time 30-min windows available
 - First-come First-serve (over CANVAS)
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Demo

- Bring everything (code/data/results/etc.)
 - Explain the project / approaches / etc.
 - Answer questions over the project
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Proposal and Executive
Summaries

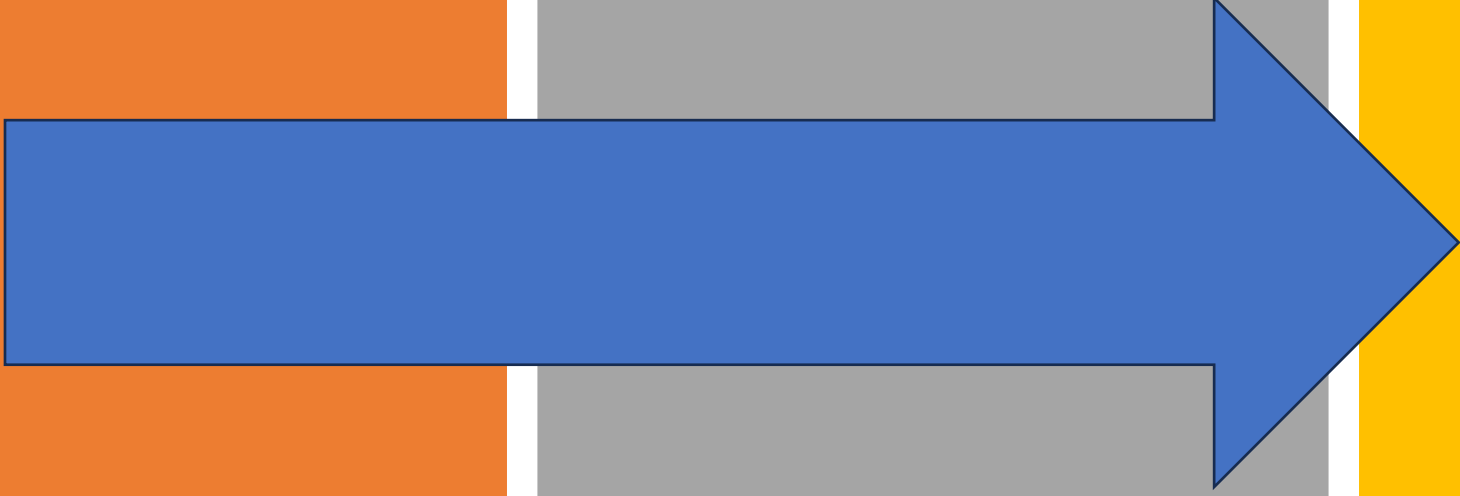
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Demo

2

Report

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Final Report

- Due: Dec. 6th
 - The final paper will be in the 2-column IEEE format between 6-8 pages
 - Best report-project outcomes will be invited to publish in the Spring.
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CHECK
Syllabus on
CANVAS!

DATASETS & EXAMPLES
