

Final Project: Linear Algebra in Real Life

Description

In this final project, each group will apply techniques in a real-life problem. Project topics may relate to problems in the student's life experience that can be formulated as a linear algebra problem. The solution will be based on the techniques learned or extended from this course. The evaluation of solution is needed to assess its effectiveness in solving the problem.

Timeline

Time	Tutorial
Nov 30 - Dec 7, 2022	Topic pre-proposal and discussion (10-min online meeting)
Dec 21 & 28, 2022	Project presentation (12-min oral presentation + 2-min Q&A)
Jan 4, 2023	Submission deadline for the project report and the slides.

Requirement and Grading

1. Project report (50%)
 - (1) Include the abstract, introduction, materials and methods, results, discussion, conclusion, and references in 2 pages (appendix not included).
 - (2) Include a section of author contributions describing the contribution of each member.
 - (3) Append all codes.
 - (4) Submit the word file (.doc/.docx) or the latex file (.tex) with all figures/tables included.
2. Project presentation (50%)
 - (1) Presentation with emphasis on:
 - a. Motivation and problem/need to be resolved
 - b. Method used and resources needed
 - c. Evaluation of the proposed method and discussion
 - (2) Peer scoring: audience evaluation during presentations.
 - (3) Submit the slides.