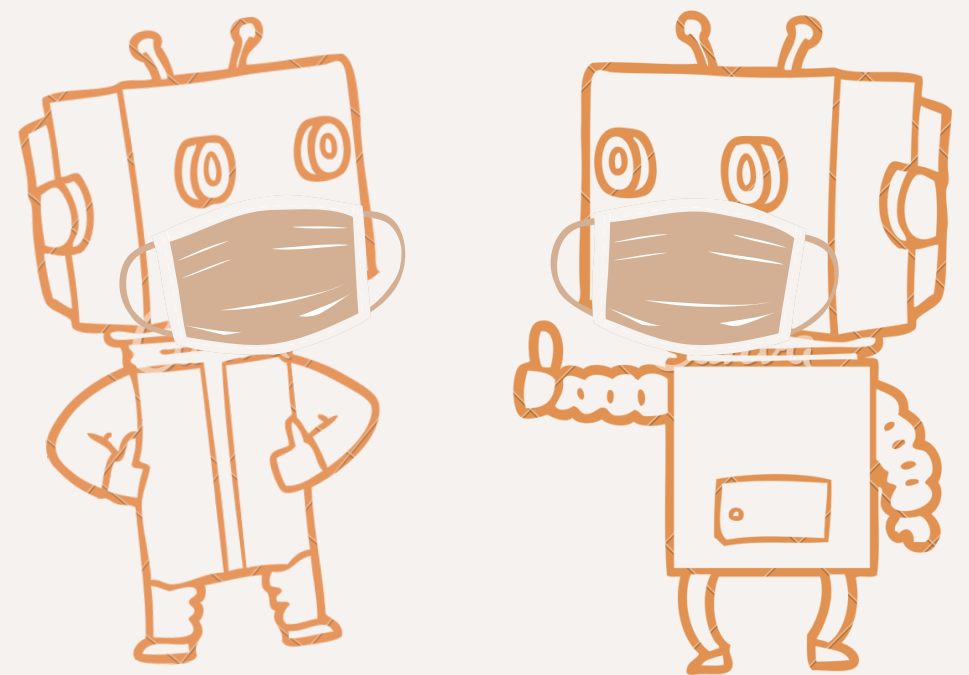


109-2 AI Term Project Proposal

Online Course Learning Effectiveness Tracker

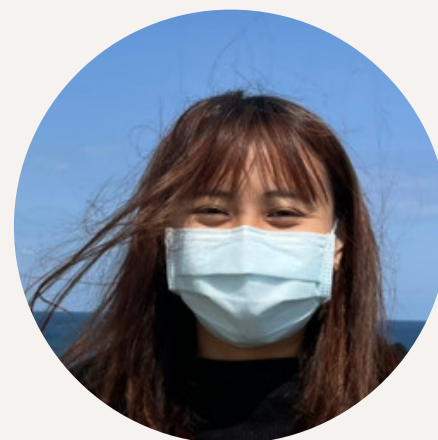
Group 24



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Motivation & Background



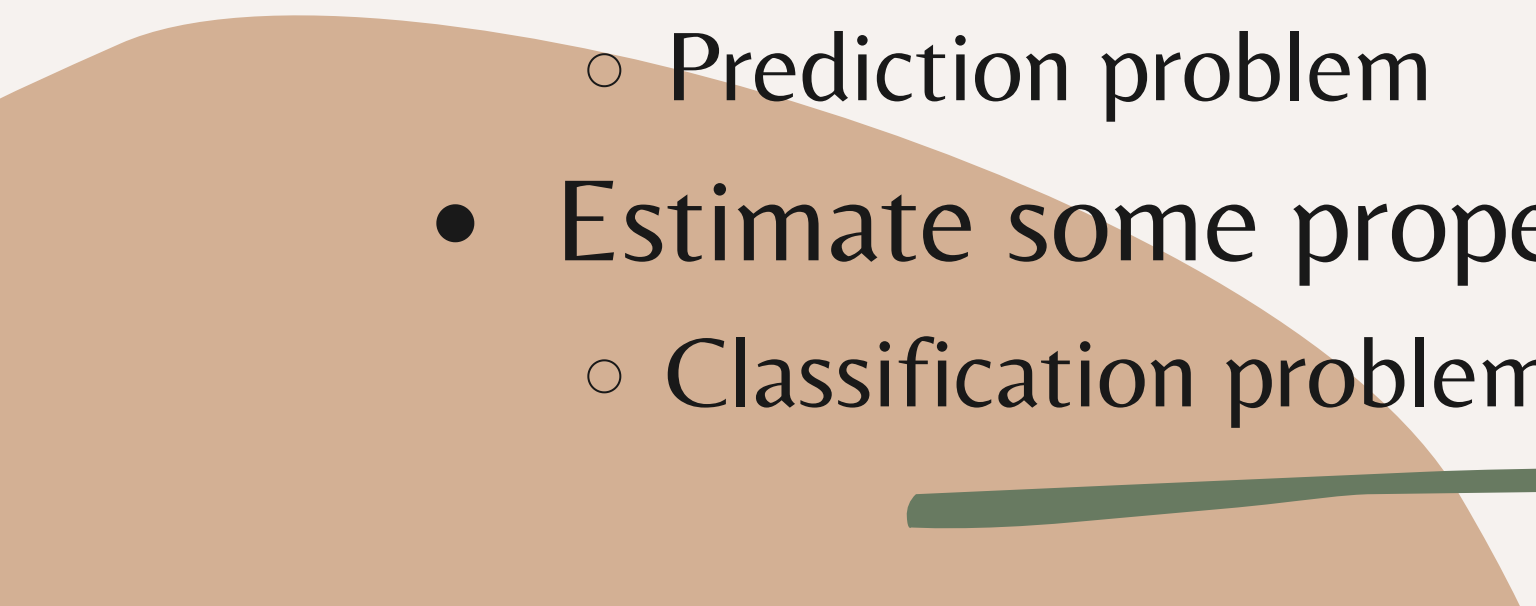

Due to the epidemic, many college courses now turn to be asynchronous online courses. However, It's hard for students to keep up learning without regular classroom time because all of us like to procrastinate.

To avoid student from being lazy and get bad grades, we came up with an AI solution to predict students' grades by his/her current participation conditions. We provide some services, such as mid-semester grade alerts, predict the learner types of the student and give some learning recommendations.



Target Problem



- Dataset
 - Canvas Network Person-Course (1/2014 - 9/2015) De-Identified Open Dataset
 - HarvardX Person-Course Academic Year 2013 De-Identified Dataset
 - Given the students' study progress
 - e.g. course completeness, number of page viewing, activity of a student
 - Estimate the final scores of students
 - Prediction problem
 - Estimate some properties of students, such as learner type.
 - Classification problem
- 
- 



Proposed Solution

Use a ML-based approach to solve the problem.

- Estimate the final scores of students
 - regression model
- Estimate some properties of students, such as learner type.
 - classification model