

Capstone Project Ideas

Idea #1: I would like to use the college completion dataset available at <https://www.kaggle.com/datasets/thedevastator/boost-student-success-with-college-completion-da/data>? To perform one of the following ML tasks:

- **Predict Awards per 100 Full-Time Undergraduates.**
- Predict the amount of money spent per award.
- Predict the 6-year graduation rate of students.

The resulting model will provide valuable insights for improving educational outcomes, resource allocation and overall college performance.

Idea #2: Create a ML model to **predict the salary of an employee** based on demographic, educational, and occupational features. The resulting model can help in understanding the factors that influence salary levels. This would be beneficial to stakeholders in making informed decisions concerning career planning, salary negotiations, and job offers. The dataset for this project will be obtained from <https://www.kaggle.com/datasets/mrsimple07/salary-prediction-data>

Idea #3: Avocado Price prediction: Avocado dataset is available in <https://hassavocadoboard.com/category-data/> and it ranges from 2020 to 2023. I would like to use historical data sales to build predictive models for forecasting future prices and sales to assist retailers and suppliers in managing their inventory.