**Project Title:**

Potential factors leading to higher school dropout rates in Florida.

**Team Members:**

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**Project Description/Outline:**

The project will investigate Florida and National education data sets to determine if there are potential factors that could lead to a higher drop rate in individual school districts. It will compare the 5 school districts with the highest dropout rate and the 5 school districts with the lowest school districts. It will analyze demographics, teachers, and school financials areas of the data to find any correlating factors.

**Research Questions to Answer:**

* Are there teacher factors that may lead to a higher dropout rate in the district?
* Are there financial factors that may lead to a higher dropout rate in the district?
* Are there demographic factors that may lead to a higher dropout rate in the district?

**Datasets to be used:**

* Florida Department of Education
* Urban institute Education Data Portal
  + Common core of data
  + US Census Bureau's Small Area Income and Poverty Estimates
  + US Department of Education EdFacts

**Rough Breakdown of Tasks:**

* Review all data sources and identify specific import data
* Merge all data points into one large dataframe and csv
* Breakdown individual analysis:
  + Find the 5 districts with highest dropout rate
  + Find the 5 districts with lowest dropout rates
* Analyze difference between top 5 and lower 5:
  + Absentee standpoint correlation with dropout
  + Compare demographics across whole school district
    - Poverty percentage
    - Enrollment size
    - Free and reduced lunches
  + Analyze the teachers
    - Teachers salary
    - Critical teacher shortage areas
    - In field and out of field
  + Financials
    - School financials
      * Per student cost
      * District funding for schools