# GROUP 4 FINAL PROJECT PROPOSAL

**Group Members:**

- Junran Cao
- Ricardo Diaz
- Jeremiah Ogunla
- Osemekhian Ehilen

**Problem & Problem Selection**

Our project examines factors that affect admission to the Master's programs in the US to see how well they predict the admission.

Given the fact that admission criterias for Master's programs in the US remain largely unknown, we would like to explore whether schools evaluate applicants based on academic criterias such as undergraduate GPA and standardized test scores or on non-academic criteria such as strength of statement/recommendation letter and research background? Additionally, we wonder if these criterias are equally important or one outweighs the other?

**Dataset:**

Graduate Admission 2 (link)

The dataset contains several parameters which are considered important during the application for Masters Programs in the US, such as standardized test scores, university rating, strength of statement/recommendation letters, undergraduate GPA, and research background.

The dataset is free from missing values and therefore it does not need to be cleaned.

**Data Mining Algorithms:**

We are using regression, correlation, decision tree, and if needed, other algorithms.

**Packages:**

We are using Numpy, pandas, matplotlib, seaborn, sklearn

**References:**

https://dss.princeton.edu/online_help/analysis/regression_intro.htm

**Performance:**

We will evaluate the results based on R-Squared and Adjusted R-Squared.

**Time Frame for the Project:**

# DATS 6103 Midterm Project

| Start Week | Nov 1, 2021 |
|---|---|

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Notes |
|---|---|---|---|---|---|---|---|---|
| Starting | Nov 1 | Nov 8 | Nov 15 | Nov 22 | Nov 29 | Dec 6 | Dec 13 | |
| Data Preproccesing | | | | | | | | |
| Data Visualization | | | | | | | | |
| GUI PQT Fil | | | | | | | | |