STATUS UPDATE REPORT

[Week 4 OF INTEGRATED PROJECT\_GROUP 11]

# 1. Accomplishments since last meeting

* Finalized the Statement of Work Part 1, incorporating feedback from mentors and instructors.
* Proposed a tentative timeline - the Statement of Work Part 2.
* Wrote and sent the professional-looking data request email to the client, Carlos.

# *2. Issues that we encountered in the previous week*

## Technical Issues:

### Data Handling:

What’s the best practices for data cleaning, normalization?

And how to select relevant features that will contribute to the differentiation of risk classes?

### **Model Selection:**

Which models will be most effectiveand aligned with our project objectives?

### Model Feasibility:

Would the proposed/selected models will perform as expected with our dataset?

If not, how to refine/improve the model?

## Project Issues:

### Data Collecting & Requesting

We were not sure about the data categories and time range to request until the end of Week 4, which caused a slight delay in the start-off of the project (EDA part and the following analyses)

So, we might only present the EDA part in the midterm presentation, but after the midterm, we would catch up with the original timeline.

# 3. Tasks that are coming up in the following week:

## Exploratory Data Analysis (EDA) - Week 5, June 17 - June 20, 2024

* EDA work was conducted and presented to Carlos.
* The k-means clustering for homeowner insurance was initiated.

## Midterm Preparations Preparation And Rehearsal - Week 5 and 6, June 17 - June 20, 2024

* Midterm presentation slides are to be started.
* Rehearsal 2 times.

## **Midterm Presentation** - **Week** 7**, July 1 - July 2, 2024**

* The midterm presentation is scheduled for July 1, 2024, with a review meeting planned for July 2, 2024.

# .4. Conclusion:

Our team has made significant progress in the initial stages of the project, with all planned activities completed as per the timeline. We are well-prepared for the upcoming midterm presentation and is looking forward to receiving feedback to further enhance the project outcomes.