**1. Student bi-weekly performance summary**

| Adm. No. | Name | No. of hours present | Progress1 | Remarks |
| --- | --- | --- | --- | --- |
| 1. 2214449 | Tan Wen Tao Bryan | 8 | A | - |
| 2. 2214452 | Ryan Yeo | 8 | A | - |
| 3. 2201861 | Zachary Leong Yao Jie | 8 | A | - |
| 4. 2214241 | Ethan Jedidiah Pang Kin Fong | 8 | A | - |

1 State whether: A=On Schedule B=Ahead Schedule for no. of days C=Behind Schedule for no. of days

**2. Weekly Scrum**

| Week No: 3-4 Date: 12/11/2023 | |
| --- | --- |
| Member Name 1: | **Tan Wen Tao Bryan** |
| Last week’s Progress | * 1 SQL Complex Query   + Retrieve the top 10 drivers, total\_ratings, average ratings, driver's age, no of driving years experienced, car brand, car manufactured age   + Based on their total ratings and average ratings in descending order for dangerous safety risks * Update Biweekly Scrum Report   + Update the Biweekly Scrum Report to add the tasks completed and current deliverables for the week   + Identified the potential obstacles that may impede the progress for current deliverables |
| This week deliverables | * Data Preprocessing   + Change Data types of different columns to save memory space   + Write data to .hdf5 * Data Cleaning   + Removal of negative values for speed * Feature Engineering   + Gyro Magnitude, Acceleration Magnitude, Pitch, Yaw, Roll, duration, age of driver, car age of manufacture |
| Obstacles | * Having trouble figuring out why the data looked so bad |
| Member Name 2: | **Ryan Yeo** |
| Last week’s Progress | * 1 SQL Complex Query   + Bins the drivers according to average distance and obtain the average ratings, average counts of unsafe trips and rate of unsafe trips |
| This week deliverables | * Update Biweekly Scrum Report   + Update the Biweekly Scrum Report to add the tasks completed and current deliverables for the week   + Identified the potential obstacles that may impede the progress for current deliverables * Data Preprocessing   + Change Data types of different columns to save memory space   + Write data to .hdf5 * Data Cleaning   + Removal of negative values for speed * Feature Engineering   + Gyro Magnitude, Acceleration Magnitude, Pitch, Yaw, Roll, duration, age of driver, car age of manufacture |
| Obstacles | * Misunderstood what seconds in the data stood for |
| Member Name 3: | **Zachary Leong Yao Jie** |
| Last week’s Progress | * 1 SQL Complex Query   + Provide insights on driver behavior by analyzing speed data and safety labels associated with each trip.   + Select the top 10 dangerous driver sorted on Percentage\_Of\_Dangerous\_Trip to see drivers who went past the speed limit |
| This week deliverables | * Update Biweekly Scrum Report   + Update the Biweekly Scrum Report to add the tasks completed and current deliverables for the week   + Identified the potential obstacles that may impede the progress for current deliverables * Data Preprocessing   + Change Data types of different columns to save memory space   + Write data to .hdf5 * Data Cleaning   + Handle Null & Missing values   + Interpolation for seconds   + Removal of extreme values * Documentation   + Came up with observations for the plots from EDA in jupyter notebook * Tableau Dashboard for Manager   + Designed the first dashboard for the manager |
| Obstacles | * Issues with setting Tableau |
| Member Name 4: | **Ethan Jedidiah Pang Kin Fong** |
| Last week’s Progress | * ETL Pipeline   + Loaded the data from SQL database into a jupyter notebook with SQLAlchemy * Update Biweekly Scrum Report   + Update the Biweekly Scrum Report to add the tasks completed and current deliverables for the week   + Identified the potential obstacles that may impede the progress for current deliverables |
| This week deliverables | * Data Preprocessing   + Change Data types of different columns to save memory space   + Write data to .hdf5 * Data Cleaning   + Handle Null & Missing values   + Interpolation for seconds   + Removal of extreme values * Documentation   + Came up with observations for the plots from EDA in jupyter notebook |
| Obstacles | * None |