Milestone 1 – Team Information/Communication Plan

Name: Abed Tabbalat

Team Status: Individual

- **Milestone 2 – Data Selection and Project Proposal:**

  - My first area of exploration is to get a specific dataset from my company (I am authorized for it) and apply a predictive model in order to help decision makers get what they need for it, it will most likely be data regarding premium pricing and how they can better price their products

  - The other option is to look for datasets regarding health diseases and issues, as I have recently conducted my annual physical and got me thinking about how data can help identify outcomes for certain types of health issues. In addition, I used a diabetes dataset that I may explore into this project and apply a KNN classifier to it and see how it can result. The only caveat is it has about 800 rows of data

  - This option is exploring all the data sources provided and trying to land something within my daily interest, however there is no specific scope on this

  - Questions will arise once I get familiar with the dataset and once the dust settles a formal proposal will be written on how to tackle this project in a high-level format

- **Milestone 3 – Preliminary Analysis:**

  - Once I get familiar with all the variables in the dataset, I will be able to understand more if my questions could be answered or I would need more depth on the variables to answer them

  - The preliminary analysis will show the models that will be used to predict my dataset and determine if there were any expectations, are they met or not

- **Milestone 4 – Finalizing Results**

- o Once I have my model reviewed, preparing some visualizations to help better understand the outcome will be necessary. If the results make sense, the conclusion of my questions can be answered in a thorough manner

- **Milestone 5 – Final Project Submission**

  - o This is where the introduction, body and conclusion will be written. The visualizations created in the model will be presented within the paper and the results should be explained clearly

- **Time management:**

  - o Since my workload is high, I have dedicated Thursdays of every week to tackle this project until it is completed. I work in a hybrid environment and Tuesdays and Wednesdays are in the office, so I won't be able to work on the project for those 2 days. Saturdays will be a review (if needed) to submission

- **Identify another project (group or individual) to perform your Milestone 2 Peer Review:**

  - o I will be reviewing an individual project for the peer review

Below is the table showing the schedule I am planning to tackle:

Week	Milestone	Task	MON	TUE	WED	THU	FRI	SAT	SUN
1	1	Project Plan				X	X	X	
1	1	Teams folder				X			
2	2	Data selection/ topic	X			X			
2	2	Proposal				X	X	X	
2		Peer review					X	X	

3		Milestone 3 progression	X			X	X	X	
4		Peer review					X	X	
5	3	Preliminary analysis	X			X	X		
6		Peer review					X	X	
7		Milestone 4 progression	X			X	X	X	
8		Peer review					X	X	
9	4	Project presentation & status				X	X	X	X
10		Peer review					X	X	
11		Milestone 5 progression	X			X	X	X	
12	5	Presentation	X			X	X	X	X
12	5	Final paper	X			X	X	X	X
12		Peer review					X	X	

Note** *I work in a hybrid environment therefore Tuesdays, and Wednesdays I am in the office and wont be able to do any course work*