Project Design Phase 1
Solution Architecture
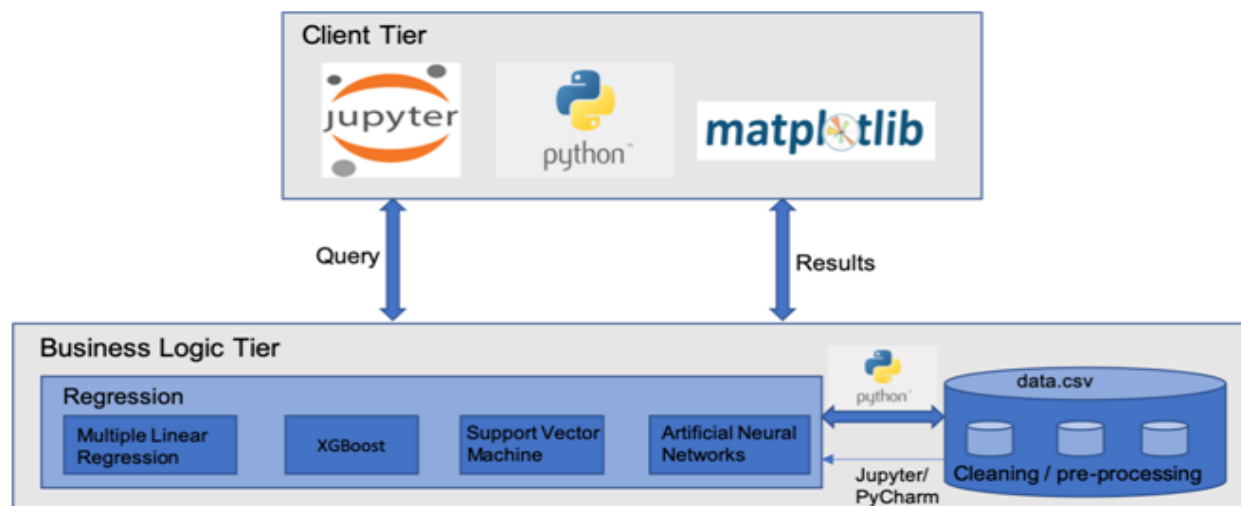
Date	13 October 2022
Team ID	PNT2022TMID54414
Project Name	Machine Learning Based Vehicle Performance Analyzer
Maximum Marks	4 marks

Solution Architecture:

As shown in Figure design is adopted as the dataset is not created explicitly for this research, a publicly available dataset is used and is in structured format.

- ❖ The first and major step for any research is data cleaning and pre-processing without which the results obtained might be inappropriate.
- ❖ Python is used for cleaning and also to develop models. In the computational layer or the business logic tier the data is cleaned, pre-processed, transformed.
- ❖ The models built are evaluated and in the presentation layer using relevant software and tools the results are visualized.

Solution Architecture Diagram:

(Figure 1 Solution Architecture diagram)

References:

Fayyad, U. M., Haussler, D. and Stolorz, P. E. (1996). Kdd for science data analysis: Issues and examples., KDD pp. 50-56.