**Our submission includes**:

* part1.py & part2.py
  + Class component structure code for respective parts
  + Attribute vs target variable plots
* report file
  + References
  + URL to publicly hosted data
  + Link to google collab versions of Part1 and Part2 code
  + Plots used to visualize data distributions and analyze evaluation metrics
  + Trial logs of part 1 and 2
  + Answers to additional questions

**How to run code:**

* Download the part1.py and part2.py files
* Open .py in whichever python environment you commonly use
* Ensure that the following packages are installed in your python environment
* import numpy as np
* import matplotlib.pyplot as plt
* import pandas as pd
* import seaborn as sns
* from scipy import stats
* from sklearn.metrics import r2\_score
* from sklearn.preprocessing import StandardScaler
* from sklearn.model\_selection import train\_test\_split
* from sklearn.metrics import mean\_squared\_error
* from sklearn.linear\_model import SGDRegressor
* Run code as normal
* If using VSCode, the visualizations will open as a popup. To move to the next visual, close the current visualization. The evaluation metrics will be displayed ONLY after all visualizations have been closed
* Alternatively, you can run the code in Google collab using the links provided in the report file. Run the whole file by selecting the Runtime -> Run all