Aimpoint Digital Coding Challenge

1 Instructions

Please submit your solution via email in a .txt format. If you have multiple files, please make sure that they are labeled and easily identified. Ensure readability and reproducibility; code should be well commented and easy to execute. You will use the dataset provided in the accompanying email. This challenge should take no more than 4 hours.

2 Challenge Description

Cars dataset

You have been provided a small dataset which details specifications around a variety of automobiles. A client has contacted you and asked you to extract some information for them using Python, but they will also accept R solutions.

1. Find the car with the highest MPG.
2. Find average MPG per cylinder count
3. Find each make's average MPG (Chevy, Ford, etc.)
4. Build a predictive model to predict the MPG based on other data. What is your optimal error metric on the test set?

If there are any other insights you would like to extract, feel free to do so!