Machine Learning

ECE 4370 / ECE 5370

Project 1

Use the "carbig" dataset in Matlab to implement linear regression. For those programming in Python, the dataset is provided in the attached Excel file.

You must choose "Weight" as the predictor and "Horsepower" as the target variables. Your implementation must include:
1. Closed-form solution
2. Gradient descent method

Your code must output two plots, exactly as follows.

Upload your .m or .py file to Blackboard prior to the deadline.
Name your files as Lastname_Firstname_Project1.*