ML Lab (CS360)

Assignment 4

Simple Linear Regression (One feature)

1. Write your own code for linear regression model using the Gradient Descent Algorithm
   Dataset: Swedish Auto Insurance dataset. Click here to download the dataset

   i)   You need to split the dataset into train(50%), validation (20%), and test(30%).
   ii) Print the train, validation, and test MSE by considering the learning rate 0.1, 0.001, 0.0001, 0.5, and 1.
   iii) Plot graph for training MSE vs. epoch by considering the learning rate 0.3.

   Please do not copy anyone's code. Try to learn coding.

   Thank you
   Happy learning