Assignment 1.2 Develop a linear regression model to predict the median house value based on the California Housing details(same dataset from assignment 1.1)

Notes :

- Drop rows with missing data
- Drop ocean_proximity column (techniques to convert values is not discussed yet)
- Drop latitude and longitude columns (these are not numerical values)
- y – value is in column median_house_value
- use the following six features :
    - housing_median_age
    - total_rooms
    - total_bedrooms
    - population
    - households
    - median_income

- experiment with different learning rates and write your observations
- Compare the results with and without normalization
- Compare the results between the following scoring methods on all attributes
    - Z-score
    - Min-Max Scaling
    - Robust scaling

Capture the following details from each of the experiments

Run number	Description	Most appropriate learning rate	½ MSE	R square	Does it converge	Number of iterations for convergence	Run specific comments
1	Without normalization						
2	With Z-score normalization						

3	With Min-max scaling						
4	With Robust scaling						