

Lab Final

Q1. Load the data in clusterdata_final.csv in a Jupyter notebook and:

- (i) Plot a scatter chart.
- (ii) Perform k-means clustering using Sklearn with the number of clusters 3,4 and 5.
- (iii) Plot the resulting clusters for all three cases.

Q2. Load the data in regressiondata_final.csv in a Jupyter notebook and:

- (i) Plot a scatter chart
- (ii) Fit a linear regression model with the code developed in the lab (without sklearn)
- (iii) Plot the data and regression line.
- (iv) Calculate Mean Squared Error (MSE).