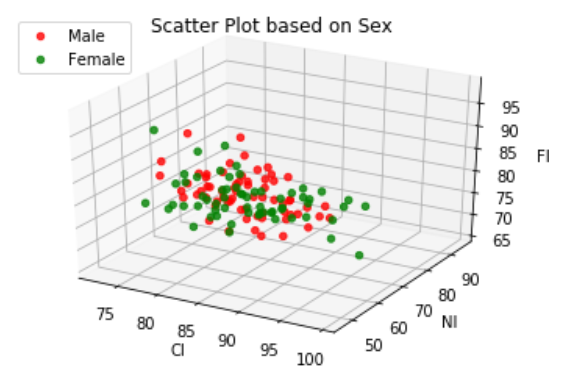
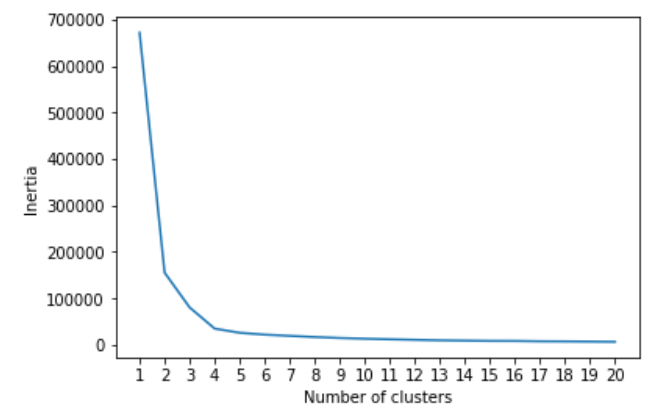
Dataset: Nationality Malaysian, ethinicity all

Number of Samples = 126



Test Dataset Size = 25%

Clustering the data based on sex1 (Male, Female)



Graph of model inertia vs number of model clusters.

From this graph using elbow method this is evident that classifying Sex is highly possible by clustering as the optimum number of clusters is 2. For cluster size of 2 the inertia is 155573.87113315376 which can be reduced increasing sample size.

Attributes used(7): PIN, Age, Nationality, Ethinicity, HI, FI, NI

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Predicted Class | |
|  |  | Male | Female |
| Actual Class | Male | 13 | 3 |
| Female | 8 | 8 |

Accuracy = 65.625%

Precision for predicting Male =61.9%

Precision for predicting Female =72.73%%

Recall for predicting Male = 81.25%

Recall for predicting Female = 50%