Thesis Report -03

Date : 03/01/2021

Progress on Online Food delivery during pandemic:

1. **Applied Data Cleaning**: Replaced the missing values with mean value of each columns of the dataset.
2. **Applied k-mean clustering (k=4)**: Among total 142 response collected, we applied k-mean clustering . As the whole dataset divided into 4 clusters, cluster 1,2,3 and 4 contained 20, 39, 46, 36 datapoints respectively. We only take the quantitative features for clustering and drop the 3 quantitative question factors.
3. **Elbow function plotted:** In order to decide for which value of k, the error of clustering data points are minimum, we applied elbow function and plotted it into a scattered plot for better visualization. And this was the output.

Chart

Description automatically generated