Thesis Report -02

Date : 25/12/2020

Progress on Online Food delivery during pandemic:

1. **Cleaning the collected 142 responses**: Among total 142 response collected, we decided to cluster to based on similar data insights in a hope that we may be able to draw a fine line between the cluster. As intended to work on our collected data, there are a lot of messiness. we may be able to deal with missing data in several approaches:
2. Add a default value for missing data
3. Use mean to fill it.

3. Delete row/ columns that includes missing data.

For initial approach, I deleted the rows containing missing data. But we may follow suitable way to deal with missing data for our dataset after discussing with you.

1. **Label Encoding:** As most of our collected data are categorical by characteristics, I tried to encode the categorical data into numeric values so that I could apply algorithm. There are several encoding algorithm such as Binary encoding, label encoding, one hot encoding. I used label encoding (using scikit learn library) initially. But after encoding I am confused that the data point of data frame seemed like clustering won’t work well on them.
2. **Handpicked 9 feature** I handpicked 9 features based on the following question

3. What is your age ?

6.Does the Covid-19 pandemic affect your financial condition?

9.Do you feel safe using OFD (Online Food Ordering) during the Covid-19 pandemic?

14. Your preferred payment method for OFD (Online Food Delivery)?

17. Do you feel OFD ensures timeliness?

18. Do you think OFD provides food less cost than restaurants?

23. Did you notice any difference in OFD (Online Food Delivery) before and after the pandemic?

25. Did you face any issues using OFD during the pandemic?

26. Did OFD (Online Food Delivery) owners take any steps to solve the issues you have faced?

Sir, I am a bit unsure about the criteria we should follow handpicking the factors. So, I look forward to discuss over this matter.

1. **Read the short paper “**Research on Online Learning During Covid-19: Clustering On Demographic Questions**”**: As we are following almost the same approach followed on data analysis on this paper, I went through this paper to have a better understanding on this data analysis approach. I have some question regarding the data analysis process. I look forward to discuss over them.