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         Code 

```
[1]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from sklearn.cluster import KMeans
import warnings
warnings.filterwarnings('ignore')

[2]: df = pd.read_csv("C:/Users/muham\\OneDrive - TqPharma/Documents/THESNI
df
```

[2]:

	LYLTY_CARD_NBR	DATE	STORE_NBR	TXN_ID	PROD_NBR
0	1000	17/10/2018	1	1	5
1	1002	16/09/2018	1	2	58
2	1003	07/03/2019	1	3	52
3	1003	08/03/2019	1	4	106
4	1004	02/11/2018	1	5	96