

# jupyter mall customer segmentation Last Checkpoint: 10 months ago

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```
[1]: import pandas as pd
```

```
[2]: import seaborn as sns
import matplotlib.pyplot as plt
from sklearn.cluster import KMeans
import warnings
warnings.filterwarnings("ignore")
```

```
[3]: df = pd.read_csv("Mall_Customers.csv")
```

```
[4]: df.head()
```

	CustomerID	Gender	Age	Annual Income (k\$)	Spending Score (1-100)
0	1	Male	19	15	39
1	2	Male	21	15	81
2	3	Female	20	16	6
3	4	Female	23	16	77
4	5	Female	31	17	40

```
[5]: df.columns
```