

**NATIONAL UNIVERSITY OF MODERN LANGUAGES**  
**ISLAMABAD**



**Data Mining(Lab Task 01)**

**Lab Task: 01**

**Submitted to**

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## Code

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

data=pd.read_csv(r"C:\Users\Adeel\Downloads\sales_data.csv")

data.sample(5)

fre,ax=plt.subplots(figsize=(10,7))
plt.scatter(data['product_category'],data['amount'])
```

## Outputs

	store_id	customer_id	product_id	product_category	date	amount	single_price	transaction_id
84	Store 03	Customer 1553	53734	Home/Garden	7/29/2008 20:37	6	21.854865	85
89	Store 11	Customer 1953	74449	Home/Garden	9/5/2006 17:25	6	44.231768	90
56	Store 08	Customer 814	70502	Home/Garden	9/7/2008 1:57	4	56.284565	57
12	Store 08	Customer 1384	20905	Electronics	5/25/2008 17:02	8	89.177763	13
81	Store 14	Customer 1379	85468	Sports	7/31/2006 9:11	5	41.126766	82

