

b-1

April 28, 2025

Perform the following operations using Python on the Facebook metrics data sets \* a. Create data subsets \* b. Merge Data \* c. Sort Data \* d. Transposing Data \* e. Shape and reshape Data

```
[ ]: import pandas as pd
import numpy as np
```

```
[ ]: df= pd.read_csv('/content/dataset_Facebook.csv',sep=';')
df.head()
```

```
[ ]: df.describe()
```

```
[ ]: df.shape
```

## 1 a. Create data subsets

```
[ ]: df1 = df[['Type', 'Category', 'Paid']].loc[0:10]
df2 = df[['Type', 'Category', 'Paid']].loc[11:20]
df3 = df[['Type', 'Category', 'Paid']].loc[21:50]
```

## 2 Merge Data

```
[ ]: mergeing = pd.concat([df2,df1,df3])
```

## 3 Sort Data

```
[ ]:
```

```
[ ]: sorting = df.sort_values('Page total likes')
sorting
```

#Transposing

```
[ ]: df.transpose()
```

## 4 Reshape

```
[ ]: plabel = pd.pivot_table(df, index=['Type', 'Category'], values='like')  
plabel
```

```
[ ]:
```