

```
import pandas as pd
import pandas as np
```

In [3]:

```
df = pd.read_csv(r"C:\Users\abhis\Downloads\Facebook.csv", sep = ';')
```

In [4]:

```
df
```

```
df.describe()
```

```
df.isnull().sum()
```

```
df.shape
```

```
df1 = df.iloc[:,5]
df1
```

```
df2 = df.iloc[:,15:]
df2
```

```
dm1 = pd.concat([df1, df2], axis = 1)
dm
```

```
df3 = dm1.iloc[:,150:]
df3
```

```
df4 = dm1.iloc[350:,:]
df4
```

```
dm2 = pd.concat([df3, df4])
dm2
```

```
sorted_data = dm2.sort_values('Page total likes', ascending = False)
sorted_data
```

```
dt = dm2.transpose()
dt
```

```
dm2.shape
```

Out[17]:

```
(300, 9)
```

In [18]:

```
dfrs = pd.pivot_table(dm2.head(), index = ['Type','Category'], values = 'like')
```

dfrs

Out[18]:

like		
Type	Category	
Photo	2	658.666667
	3	66.000000
Status	2	130.000000

```
arr = np.array(df)
arr
```

In [19]: