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```
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline

# Muneel Haider 21i-0640
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```
[2] from google.colab import drive
drive.mount('/content/drive')
```

Mounted at /content/drive

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```
[3] df = pd.read_csv("/content/drive/MyDrive/Graphs/driver-data1.csv")
df
```

	id	mean_dist_day	mean_over_speed_perc	Cluster
0	3.423312e+09	71.0	28.0	1
1	3.423313e+09	53.0	25.0	1
2	3.423314e+09	65.0	27.0	1
3	3.423311e+09	56.0	22.0	1
4	3.423311e+09	55.0	25.0	1
...	...	...	...	...
3994	3.423313e+09	210.0	18.0	3
3995	3.423311e+09	160.0	10.0	3
3996	3.423313e+09	176.0	5.0	3

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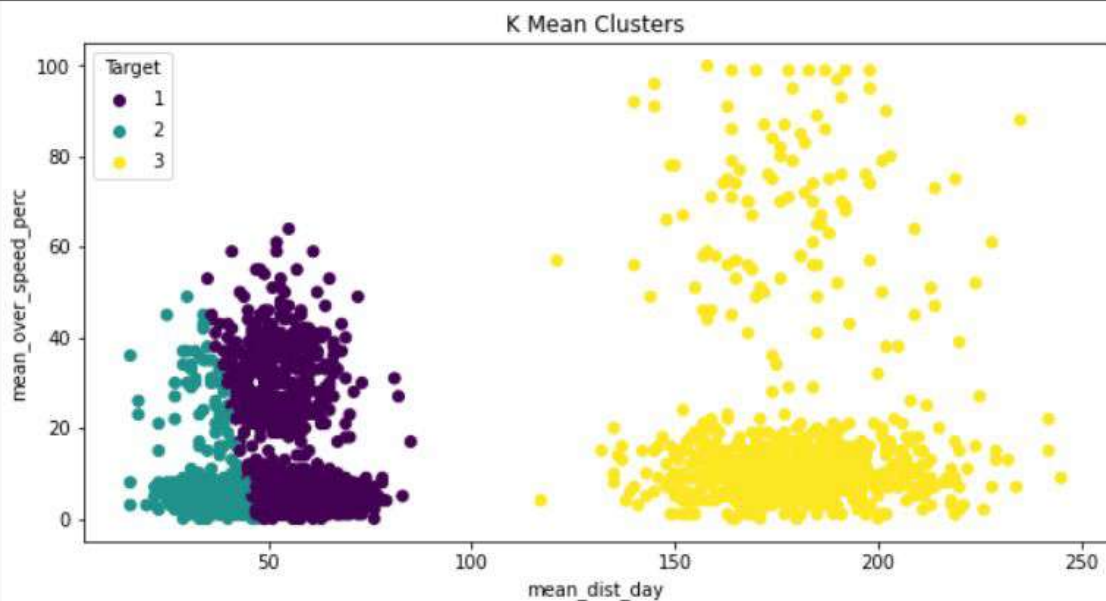
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```
[4] df.keys()
```

```
Index(['id', 'mean_dist_day', 'mean_over_speed_perc', 'Cluster'], dtype='object')
```

```
fig, ax = plt.subplots(figsize = (10,5))
ok = ax.scatter(df["mean_dist_day"], df["mean_over_speed_perc"], c = df["Cluster"])
ax.legend(*ok.legend_elements(), title = "Target");
ax.set(xlabel = "mean_dist_day", ylabel = "mean_over_speed_perc",
       title = "K Mean Clusters");
```

```
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```
[1] import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline

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```
[2] from google.colab import drive
drive.mount('/content/drive')
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Mounted at /content/drive

```
df = pd.read_csv("/content/drive/MyDrive/Graphs/Segmented_Customer_2.csv")
df
```

	CustomerID	Gender	Age	Annual Income (k\$)	Spending Score (1 - 100)	Cluster Value
0	1	Male	19	15	39	1
1	2	Male	21	15	81	2
2	3	Female	20	16	6	1
3	4	Female	23	16	77	1
4	5	Female	31	17	40	1
...	...	...	...	...	...	...
195	196	Female	35	120	79	3
196	197	Female	45	126	28	3
197	198	Male	32	126	74	3

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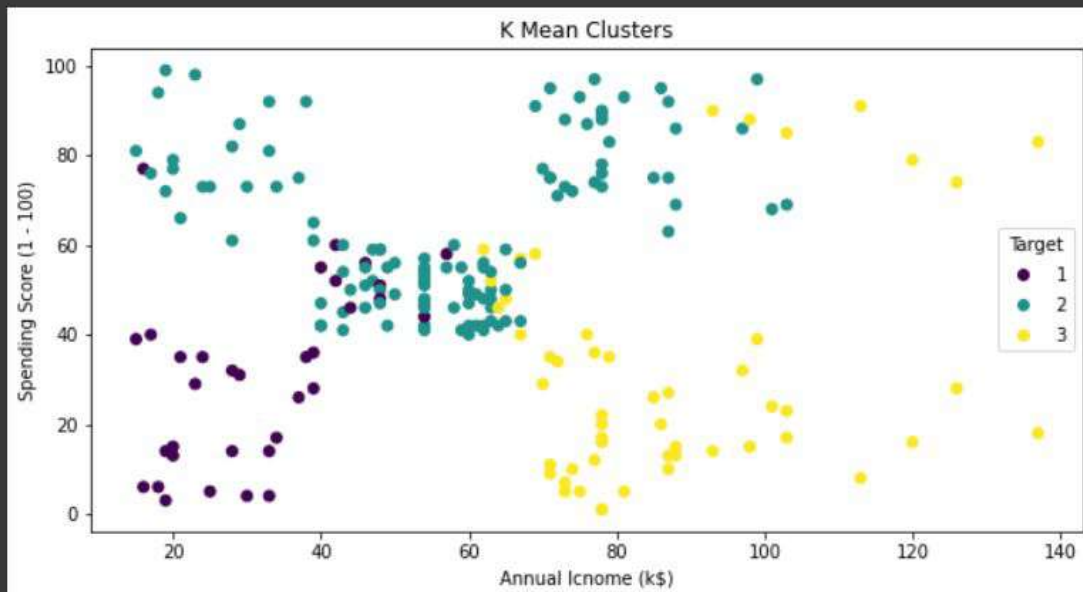
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```
[8] df.keys()

Index(['CustomerID', 'Gender', 'Age', 'Annual Income (k$)',
      'Spending Score (1 - 100)', 'Cluster Value'],
      dtype='object')

fig, ax = plt.subplots(figsize = (10,5))
ok = ax.scatter(df["Annual Income (k$)"], df["Spending Score (1 - 100)"], c = df["Cluster Value"])
ax.legend(*ok.legend_elements(), title = "Target");
ax.set(xlabel = "Annual Income (k$)", ylabel = "Spending Score (1 - 100)",
      title = "K Mean Clusters");

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```



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