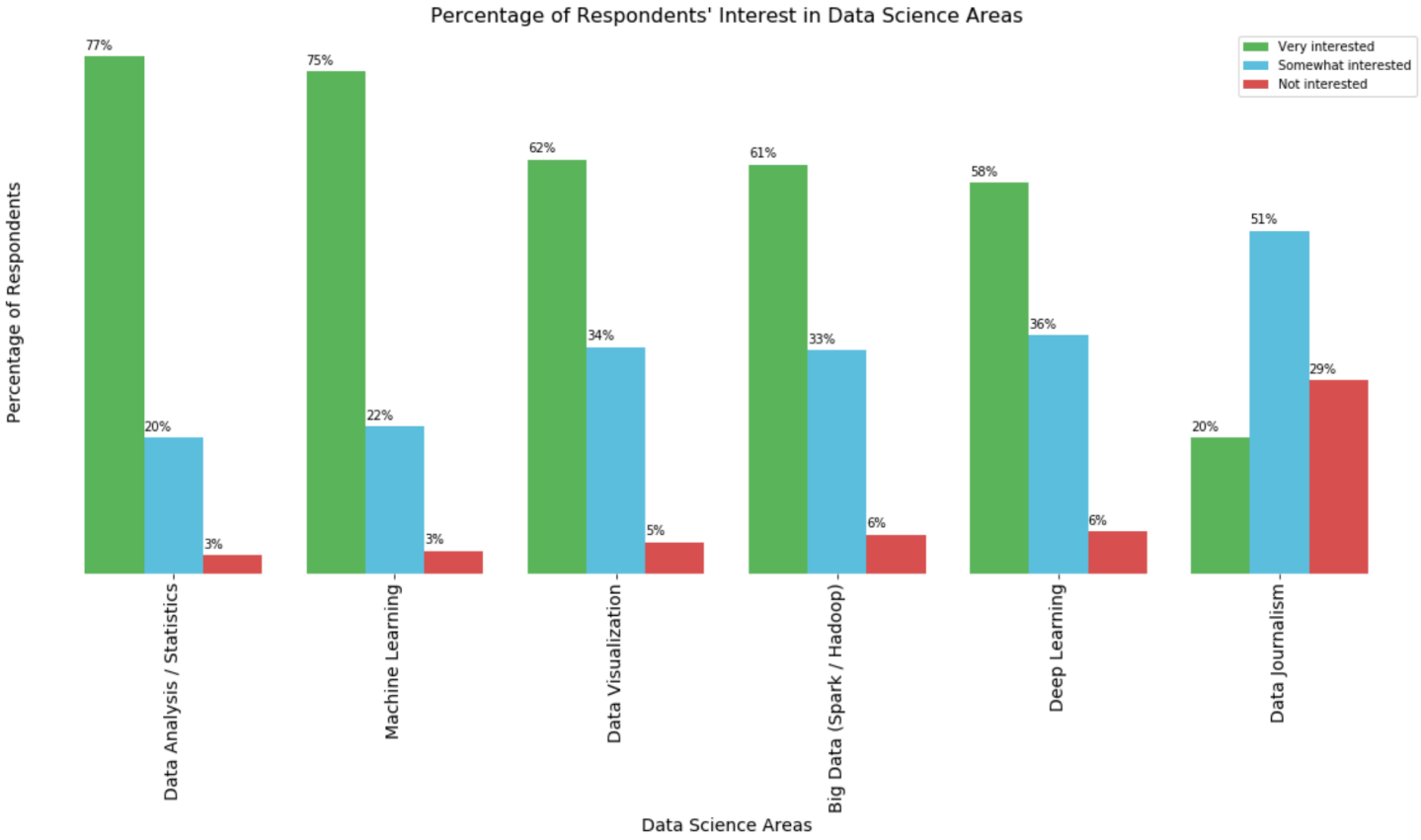
[1]:
```
import numpy as np
import pandas as pd
```

[20]:
```
df=pd.read_csv('https://cocl.us/datascience_survey_data', index_col=0)
df
```

[20]:

	Very interested	Somewhat interested	Not interested
Big Data (Spark / Hadoop)	1332	729	127
Data Analysis / Statistics	1688	444	60
Data Journalism	429	1081	610
Data Visualization	1340	734	102
Deep Learning	1263	770	136
Machine Learning	1629	477	74

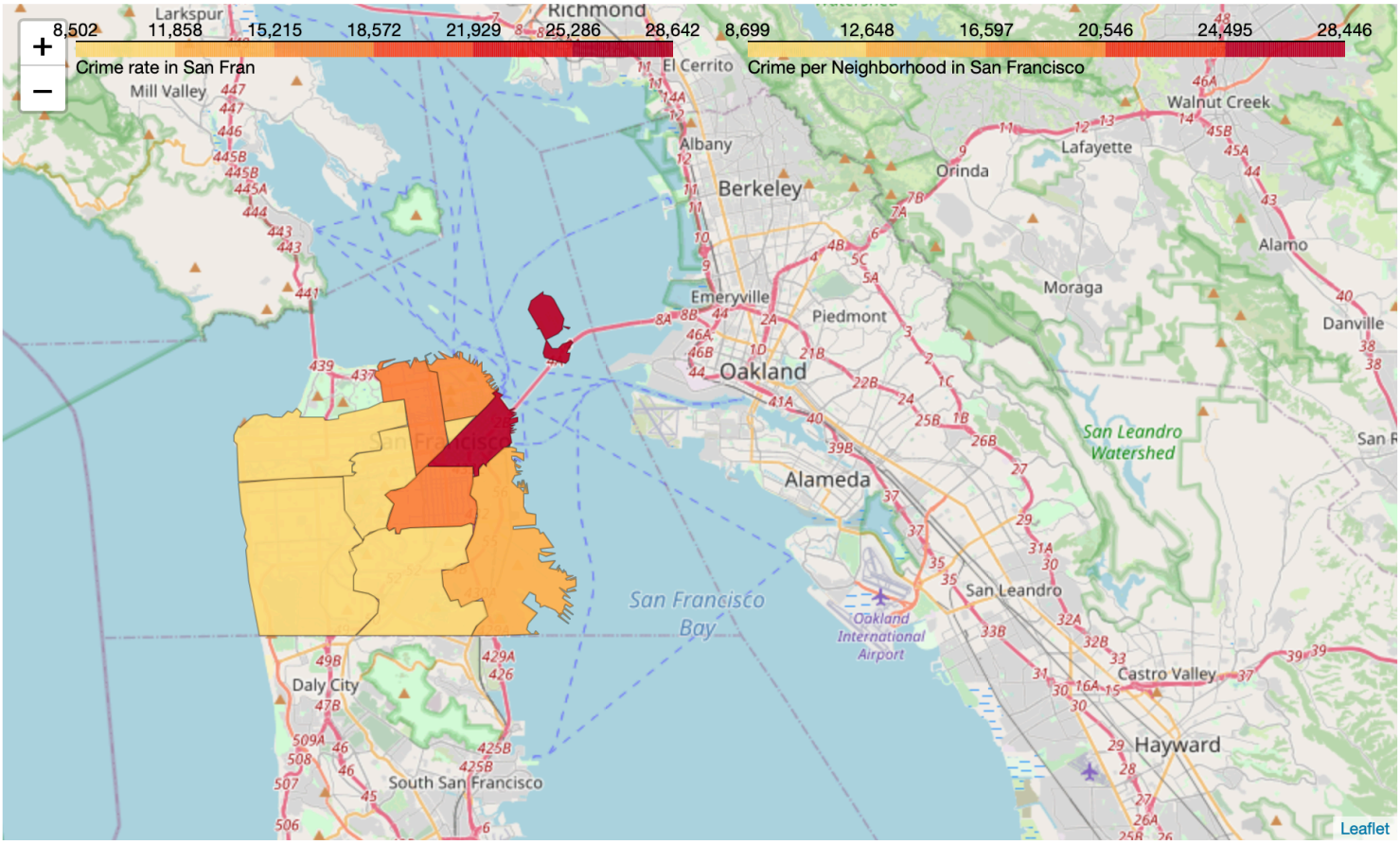

Percentage of Respondents' Interest in Data Science Areas
Very interested
Somewhat interested
Not interested
Percentage of Respondents
77%
20%
3%
75%
22%
3%
62%
34%
5%
61%
33%
6%
58%
36%
6%
20%
51%
29%
Data Analysis / Statistics
Machine Learning
Data Visualization
Big Data (Spark / Hadoop)
Deep Learning
Data Journalism
Data Science Areas

[36]:
```
import folium

df_incidents = pd.read_csv('https://s3-api.us-geo.objectstorage.softlayer.net/cf-courses-data/CognitiveClass/DV0101EN/lab

df= df_incidents.groupby('PdDistrict', as_index= False).count()
new_df = df[['PdDistrict','Category']]
sf_data = new_df.rename(columns={"Category": "Count","PdDistrict":"Neighborhood"})
sf_data.head(20)
```

[36]:

	Neighborhood	Count
0	BAYVIEW	14303
1	CENTRAL	17666
2	INGLESIDE	11594
3	MISSION	19503
4	NORTHERN	20100
5	PARK	8699
6	RICHMOND	8922
7	SOUTHERN	28445
8	TARAVAL	11325
9	TENDERLOIN	9942

[41]:


8,502
11,858
15,215
18,572
21,929
25,286
28,642
Crime rate in San Fran
8,699
12,648
16,597
20,546
24,495
28,446
Crime per Neighborhood in San Francisco
Richmond
El Cerrito
Albany
Berkeley
Emeryville
Oakland
Piedmont
Alameda
San Leandro
Orinda
Lafayette
Walnut Creek
Moraga
Alamo
Danville
San Leandro Watershed
San Francisco Bay
Oakland International Airport
Castro Valley
Hayward
Daly City
South San Francisco
Mill Valley
Larkspur
Leaflet