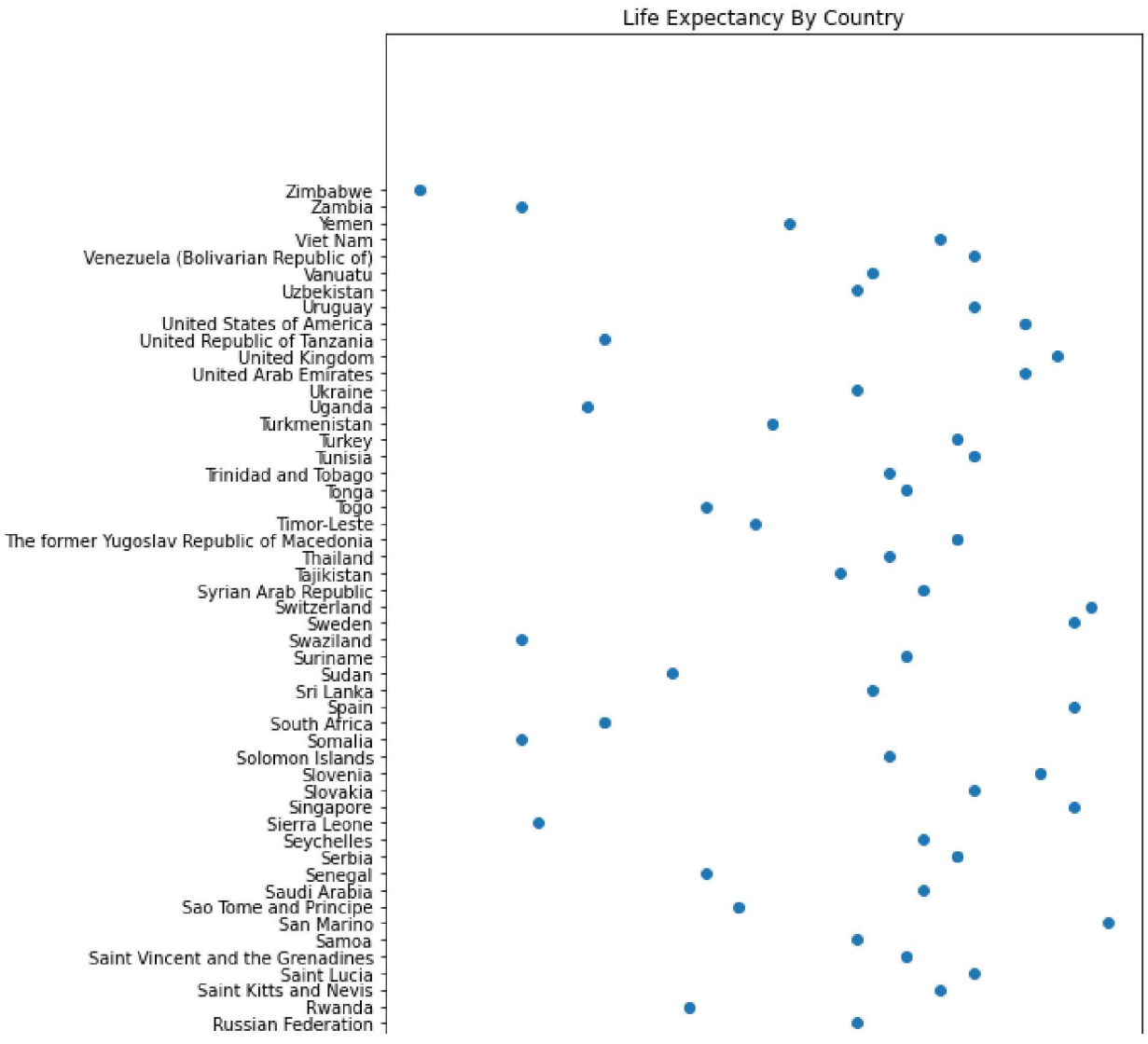
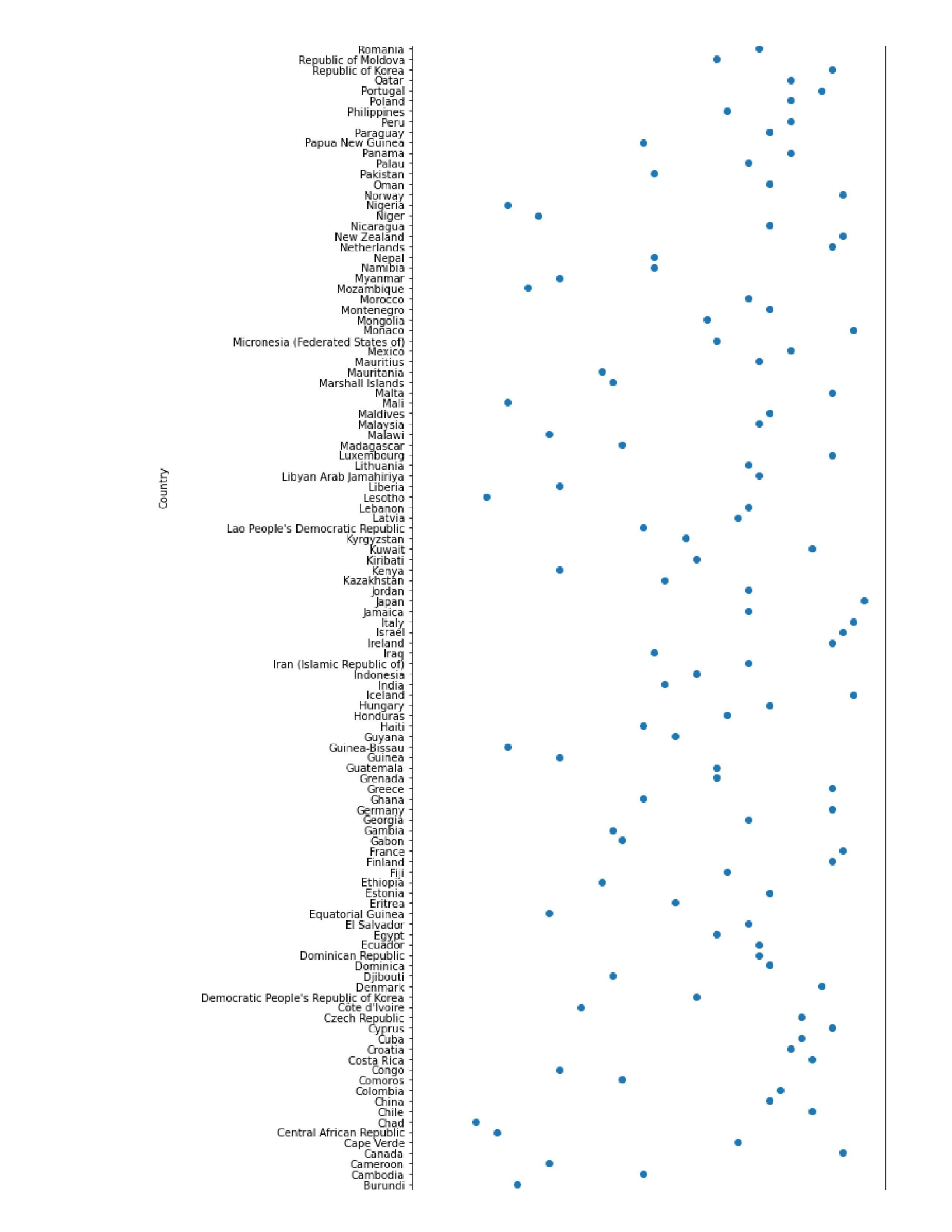
In [21]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

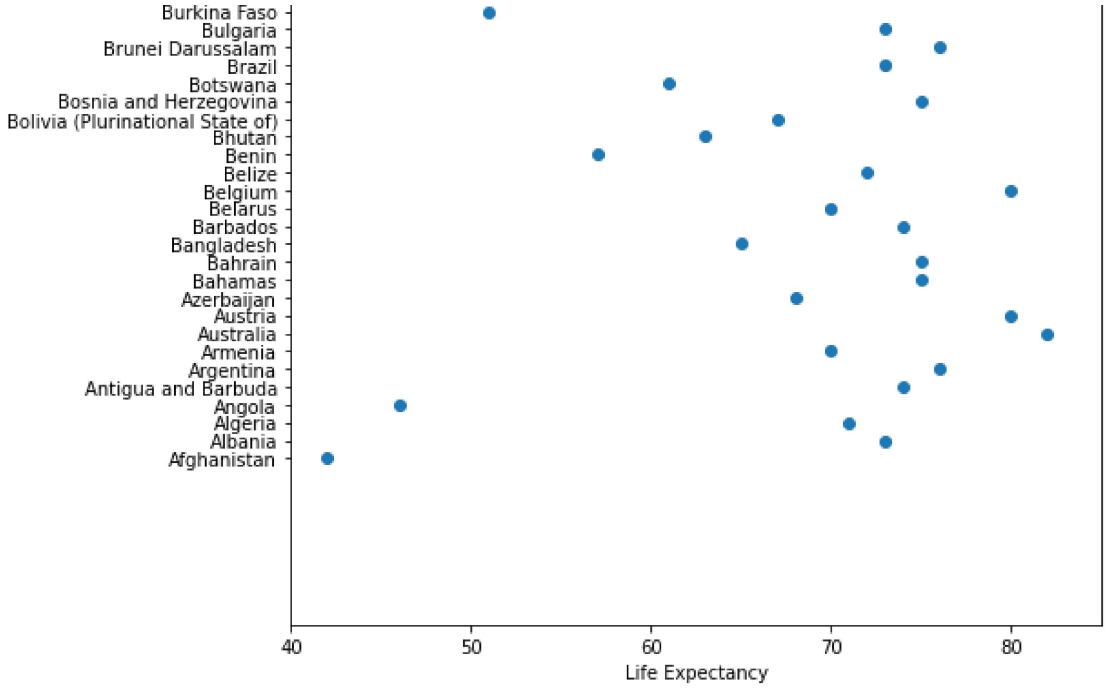
In [36]:
```
birthRate = pd.read_csv("C:/Users/danie/OneDrive/DSC-640/week5_6/ex4-2/birth-rate.csv")
birthRateYearly = pd.read_csv("C:/Users/danie/OneDrive/DSC-640/week5_6/ex4-2/birth-rate
crimeRateByState = pd.read_csv("C:/Users/danie/OneDrive/DSC-640/week5_6/ex4-2/crimerate
lifeExpectancy = pd.read_csv("C:/Users/danie/OneDrive/DSC-640/week5_6/ex4-2/life-expect
tvSize = pd.read_csv("C:/Users/danie/OneDrive/DSC-640/week5_6/ex4-2/tv_sizes.txt", sep=
```

In [23]:
```
import matplotlib.pyplot as plt

plt.figure(figsize=(8,37))

plt.xlabel("Life Expectancy")
plt.ylabel("Country")
plt.title("Life Expectancy By Country")

plt.scatter(lifeExpectancy["expectancy"], lifeExpectancy["country"])
```

Out[23]: <matplotlib.collections.PathCollection at 0x2a47fce9a30>




Country
Romania
Republic of Moldova
Republic of Korea
Qatar
Portugal
Poland
Philippines
Peru
Paraguay
Papua New Guinea
Panama
Palau
Pakistan
Oman
Norway
Nigeria
Niger
Nicaragua
New Zealand
Netherlands
Nepal
Namibia
Myanmar
Mozambique
Morocco
Montenegro
Mongolia
Monaco
Micronesia (Federated States of)
Mexico
Mauritius
Mauritania
Marshall Islands
Malta
Mali
Maldives
Malaysia
Malawi
Madagascar
Luxembourg
Lithuania
Libyan Arab Jamahiriya
Liberia
Lesotho
Lebanon
Latvia
Lao People's Democratic Republic
Kyrgyzstan
Kuwait
Kiribati
Kenya
Kazakhstan
Jordan
Japan
Jamaica
Italy
Israel
Ireland
Iraq
Iran (Islamic Republic of)
Indonesia
India
Iceland
Hungary
Honduras
Haiti
Guyana
Guinea-Bissau
Guinea
Guatemala
Grenada
Greece
Ghana
Germany
Georgia
Gambia
Gabon
France
Finland
Fiji
Ethiopia
Estonia
Eritrea
Equatorial Guinea
El Salvador
Egypt
Ecuador
Dominican Republic
Dominica
Djibouti
Denmark
Democratic People's Republic of Korea
Côte d'Ivoire
Czech Republic
Cyprus
Cuba
Croatia
Costa Rica
Congo
Comoros
Colombia
China
Chile
Chad
Central African Republic
Cape Verde
Canada
Cameroon
Cambodia
Burundi

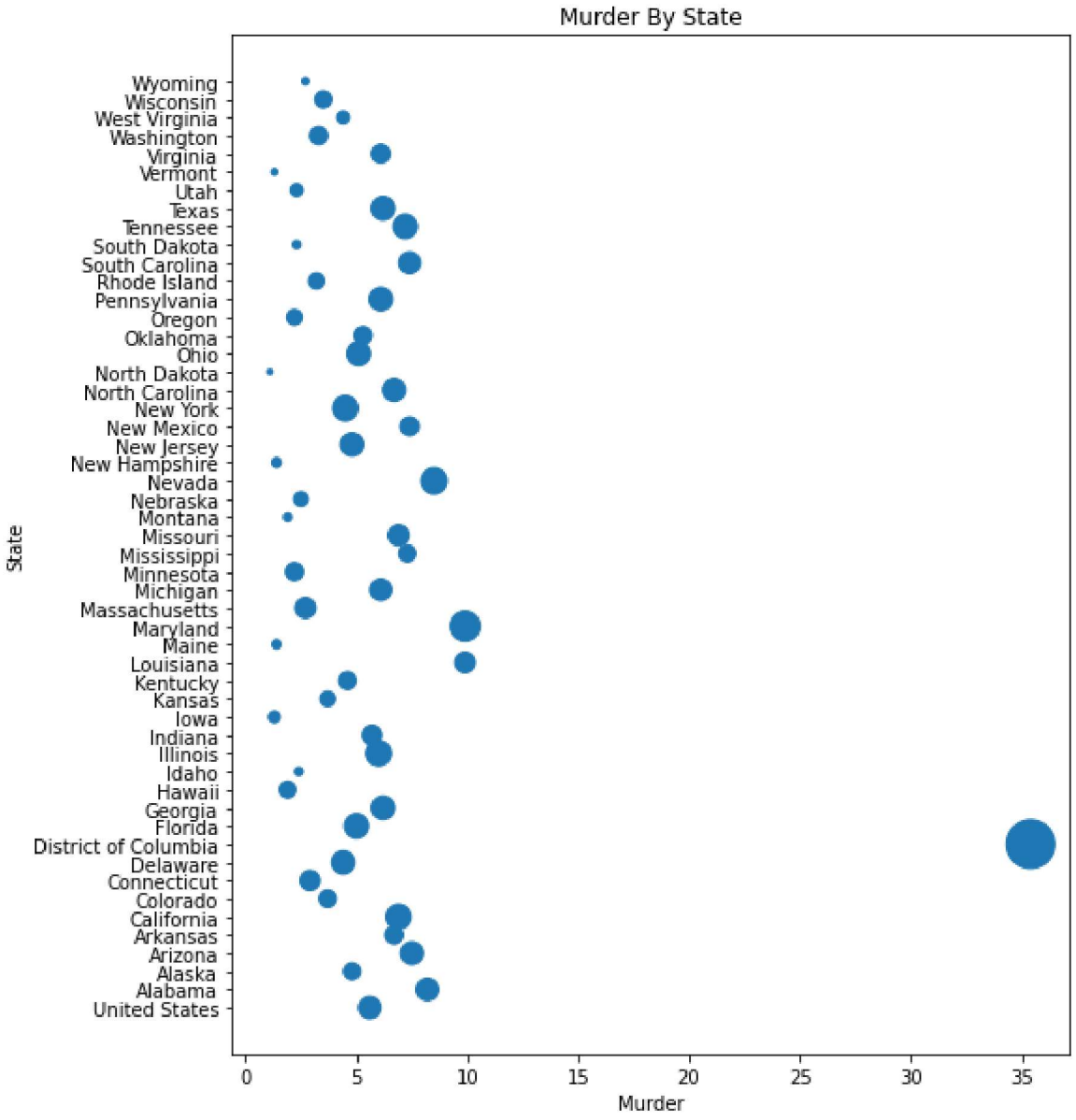


In [24]:

```
plt.figure(figsize=(8,10))

plt.xlabel("Murder")
plt.ylabel("State")
plt.title("Murder By State")

plt.scatter(crimeRateByState["murder"], crimeRateByState["state"], s=crimeRateByState["
```

Out[24]:

```
<matplotlib.collections.PathCollection at 0x2a401d15f10>
```

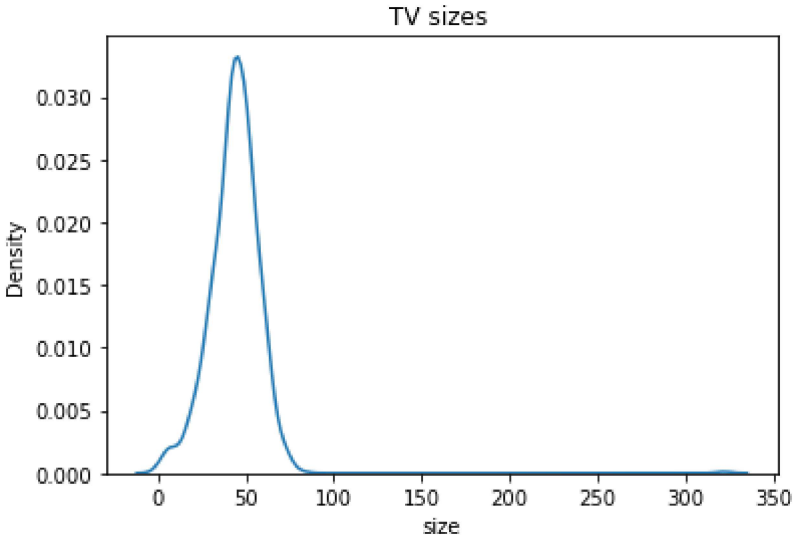


In [51]:

```
# Import library
import seaborn as sns

sns.kdeplot(tvSize["size"] ).set_title("TV sizes ")
```

Out[51]:

```
Text(0.5, 1.0, 'TV sizes ')
```


TV sizes
Density
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
50
100
150
200
250
300
350
size

In [ ]: