

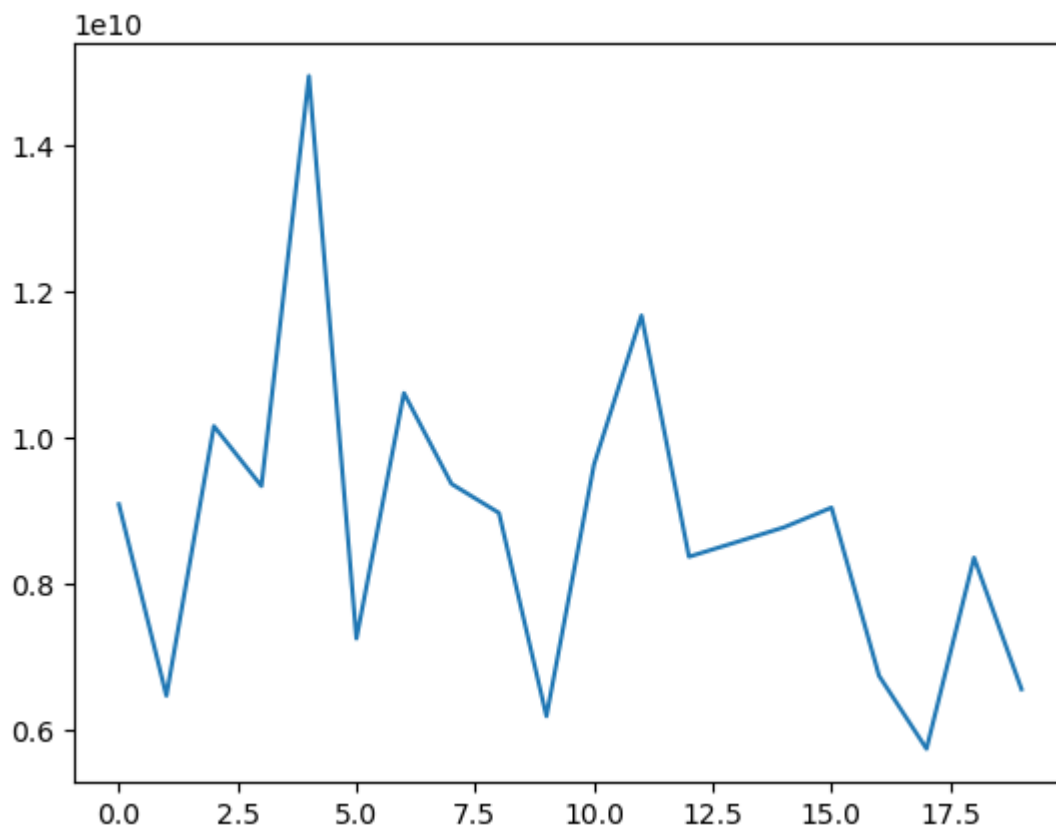
```
In [1]: import pandas as pd
import seaborn as sns
import numpy as np
import matplotlib.pyplot as plt
```

```
In [2]: v1=pd.read_csv("C:/Users/HP/Desktop/pythonproject10thchapter/data_1.csv")
v1
```

```
Out[2]:
```

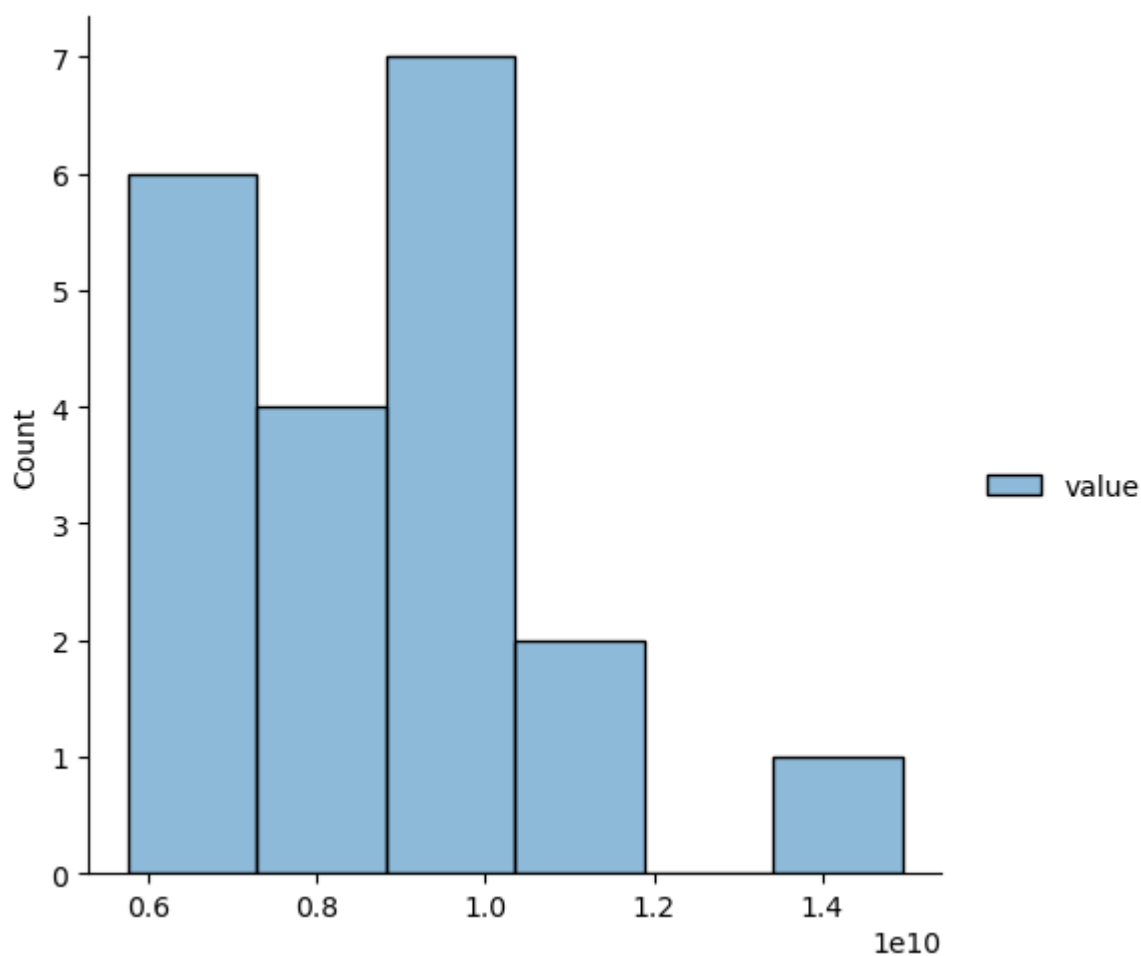
	value
0	9092102363
1	6472709796
2	10160947368
3	9341351130
4	14949939352
5	7255855965
6	10612729729
7	9371213738
8	8973607594
9	6193104781
10	9633522721
11	11674500000
12	8374481326
13	8574481326
14	8776534994
15	9046301304
16	6746301304
17	5746301304
18	8361462899
19	6561462899

```
In [3]: plt.plot(v1)
plt.show()
```



```
In [4]: sns.displot(data=v1)
```

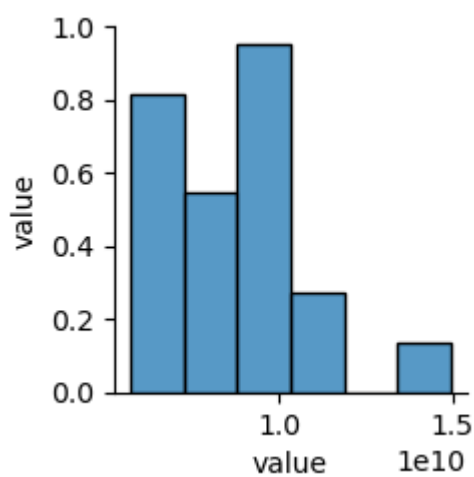
```
Out[4]: <seaborn.axisgrid.FacetGrid at 0x1f8cf2b7100>
```



```
In [5]: sns.pairplot(data=v1, size=2.5)
```

C:\Users\HP\anaconda3\lib\site-packages\seaborn\axisgrid.py:2076: UserWarning: The `size` parameter has been renamed to `height`; please update your code.
warnings.warn(msg, UserWarning)

```
Out[5]: <seaborn.axisgrid.PairGrid at 0x1f8cf4f1e80>
```



```
In [6]: v1.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 20 entries, 0 to 19
Data columns (total 1 columns):
 #   Column  Non-Null Count  Dtype
---  -
 0   value   20 non-null      int64
dtypes: int64(1)
memory usage: 288.0 bytes
```

In [7]: `v1.shape`

Out[7]: (20, 1)

In [8]: `v1.describe()`

Out[8]:

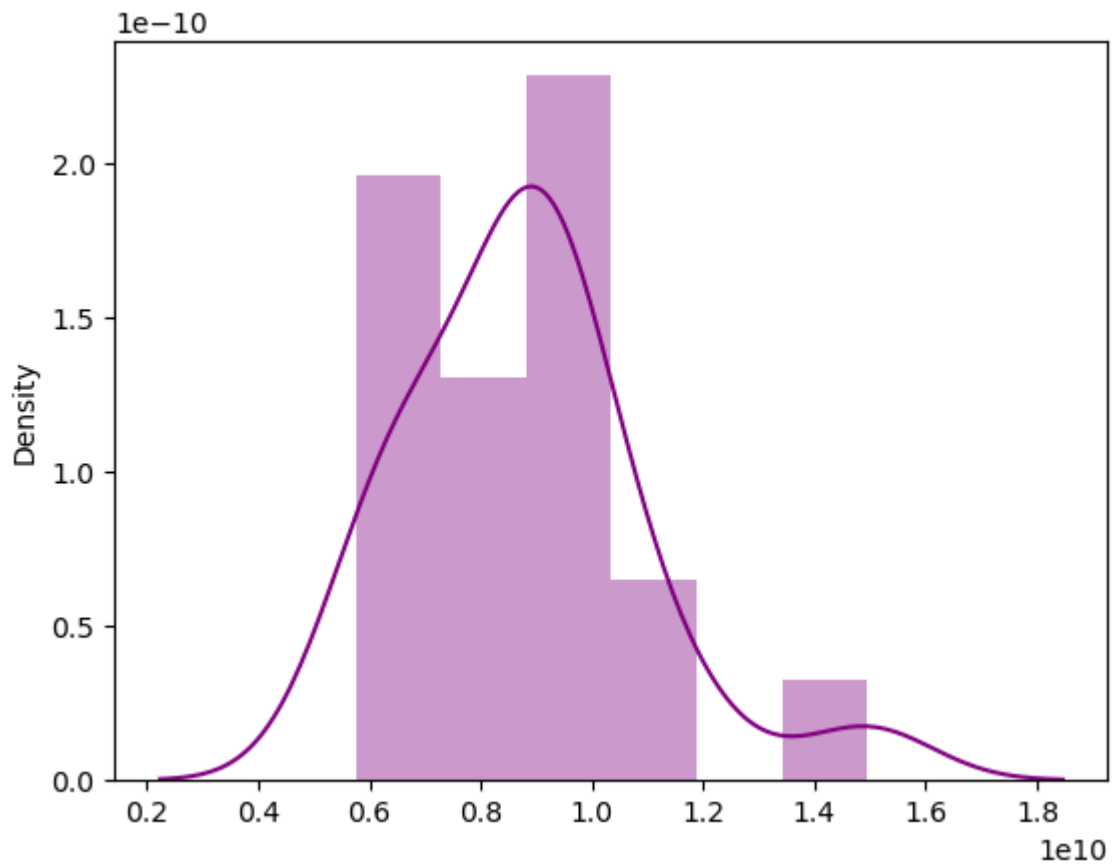
	value
count	2.000000e+01
mean	8.795946e+09
std	2.131070e+09
min	5.746301e+09
25%	7.128467e+09
50%	8.875071e+09
75%	9.436791e+09
max	1.494994e+10

In [9]: `v1.dtypes`

Out[9]: value int64
dtype: object

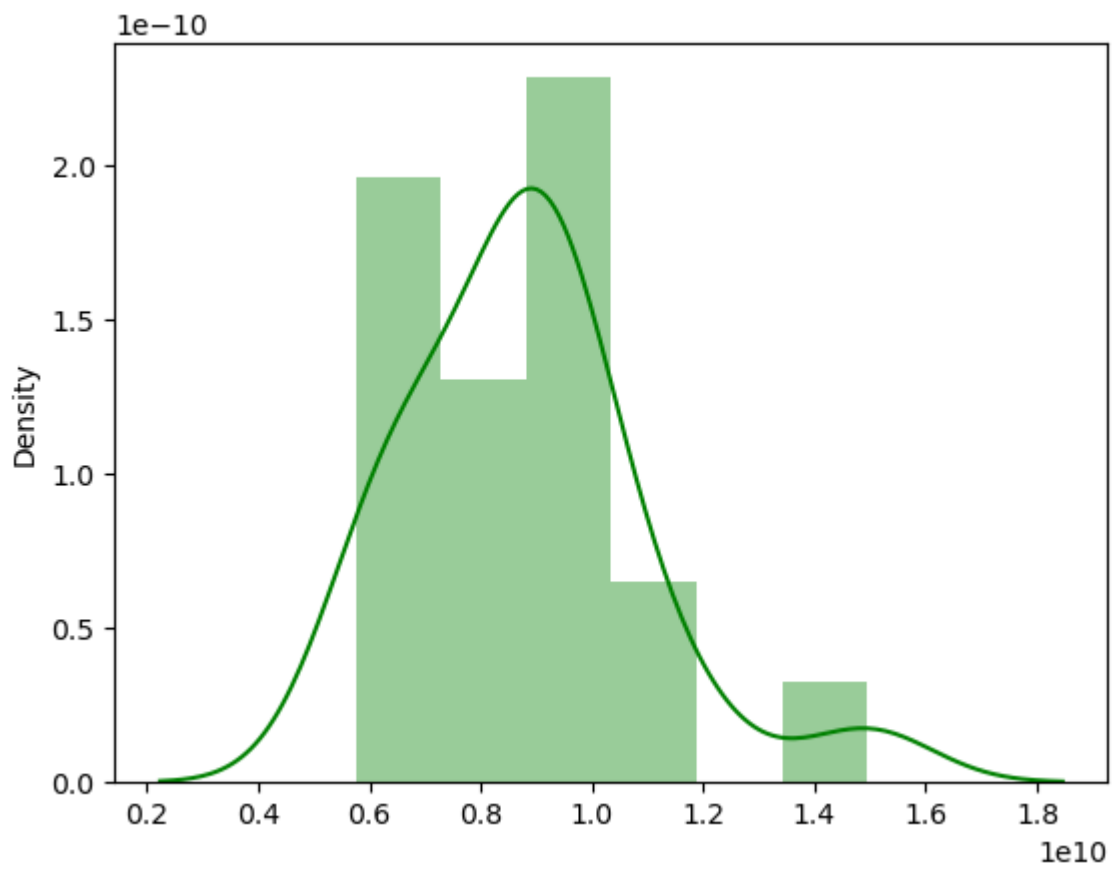
In [10]: `plot=sns.distplot(v1, color='purple')`
`plt.show()`

C:\Users\HP\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning:
`distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).
warnings.warn(msg, FutureWarning)

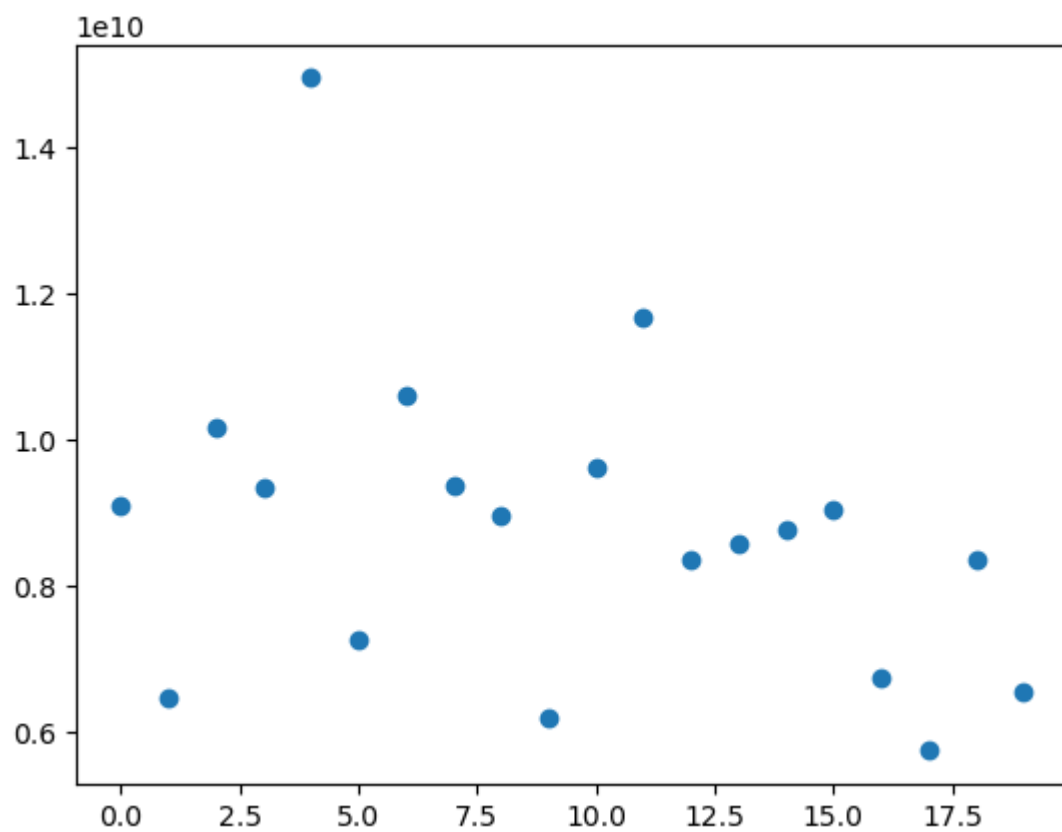


```
In [11]: plot=sns.distplot(v1,color='green')
plt.show()
```

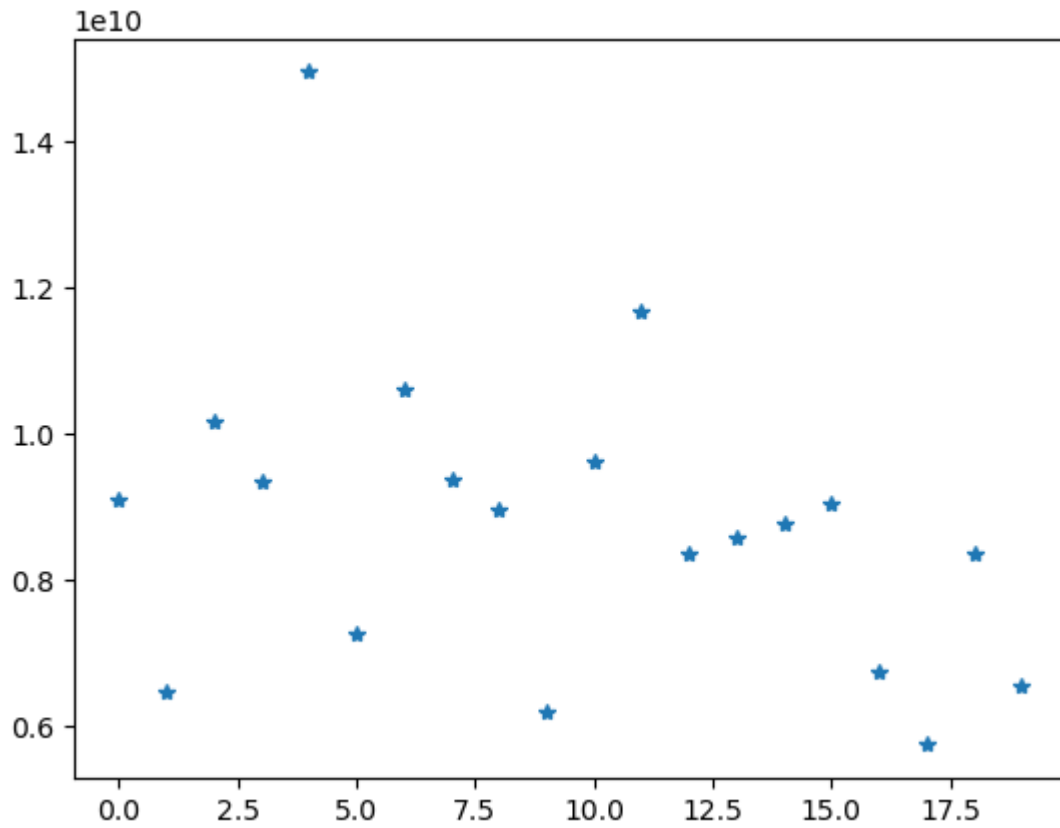
C:\Users\HP\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).
warnings.warn(msg, FutureWarning)



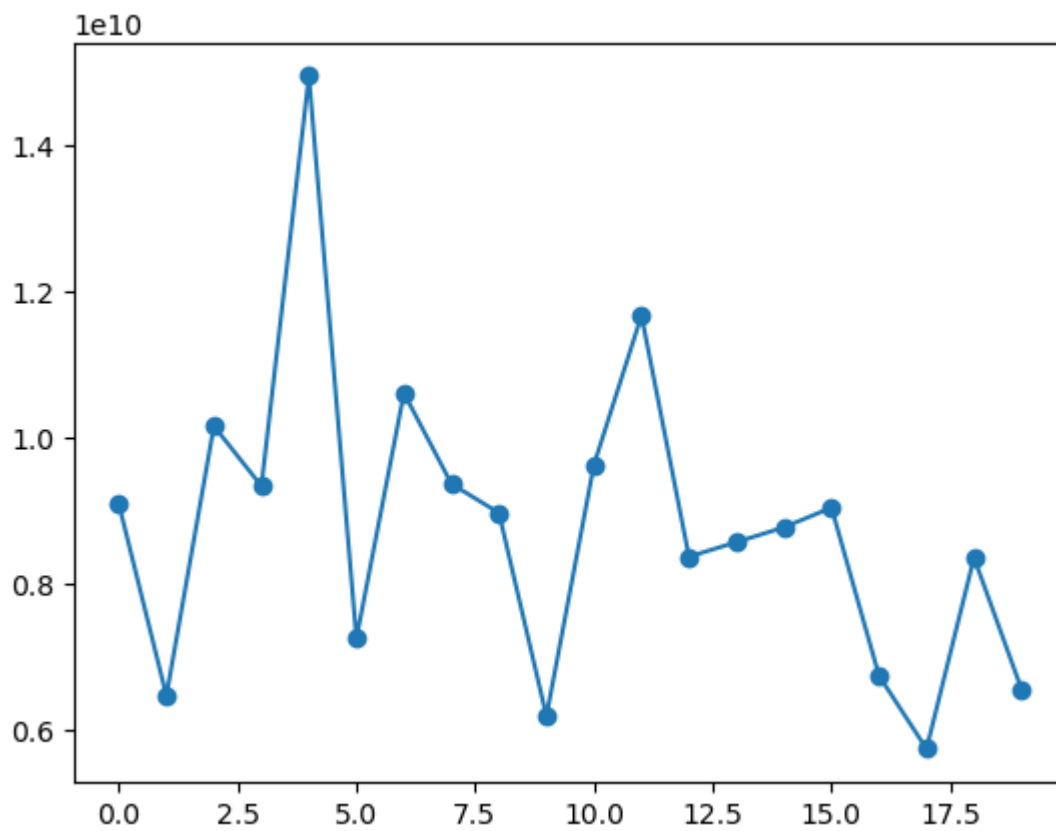
```
In [12]: plt.plot(v1,"o")  
plt.show()
```



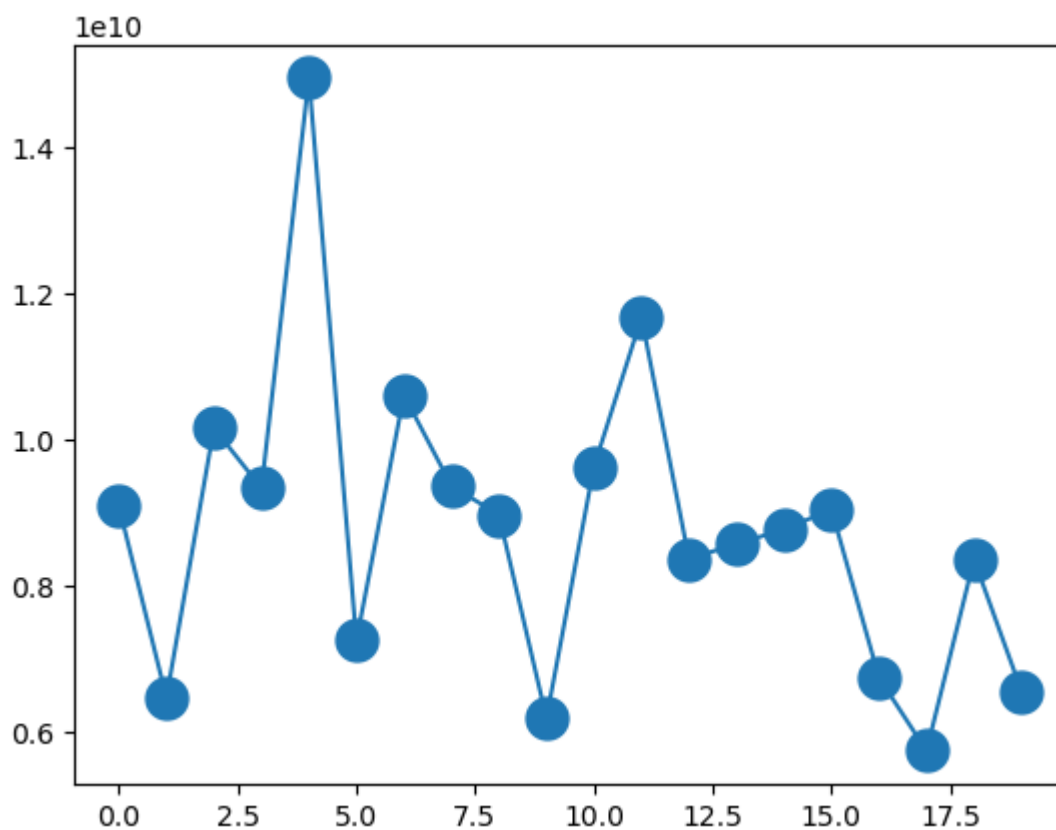
```
In [13]: plt.plot(v1, "r*")  
plt.show()
```



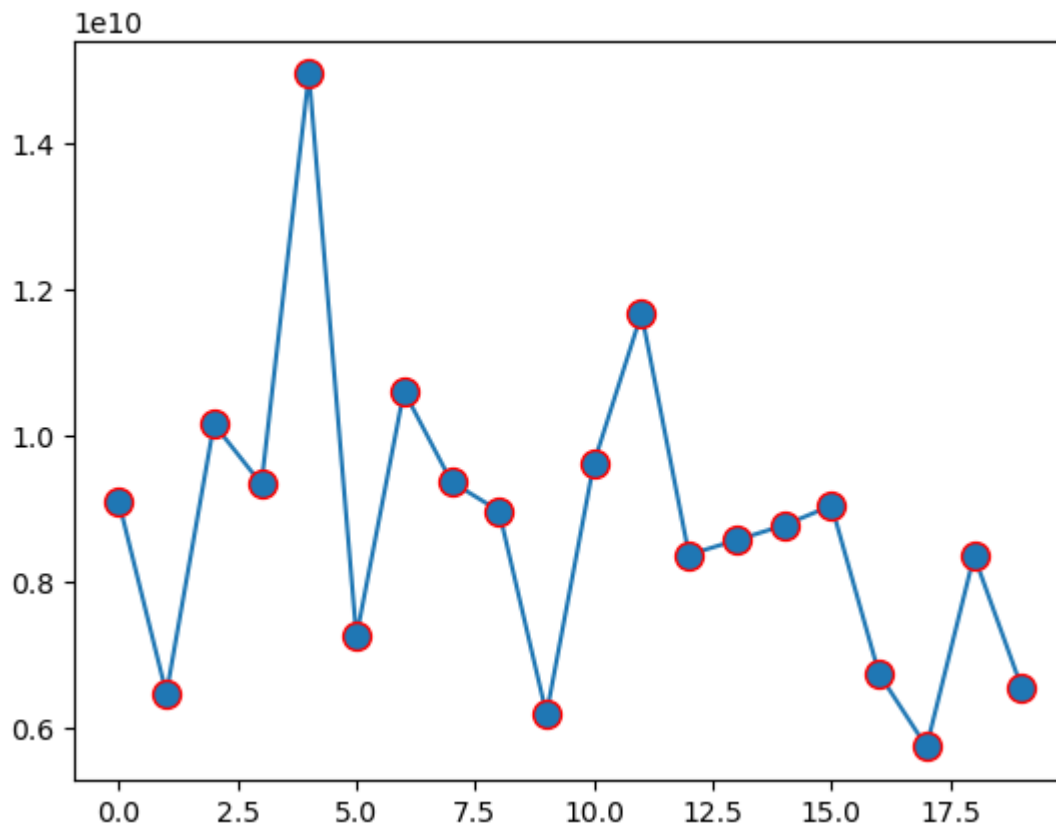
```
In [14]: plt.plot(v1, marker="o")  
plt.show()
```



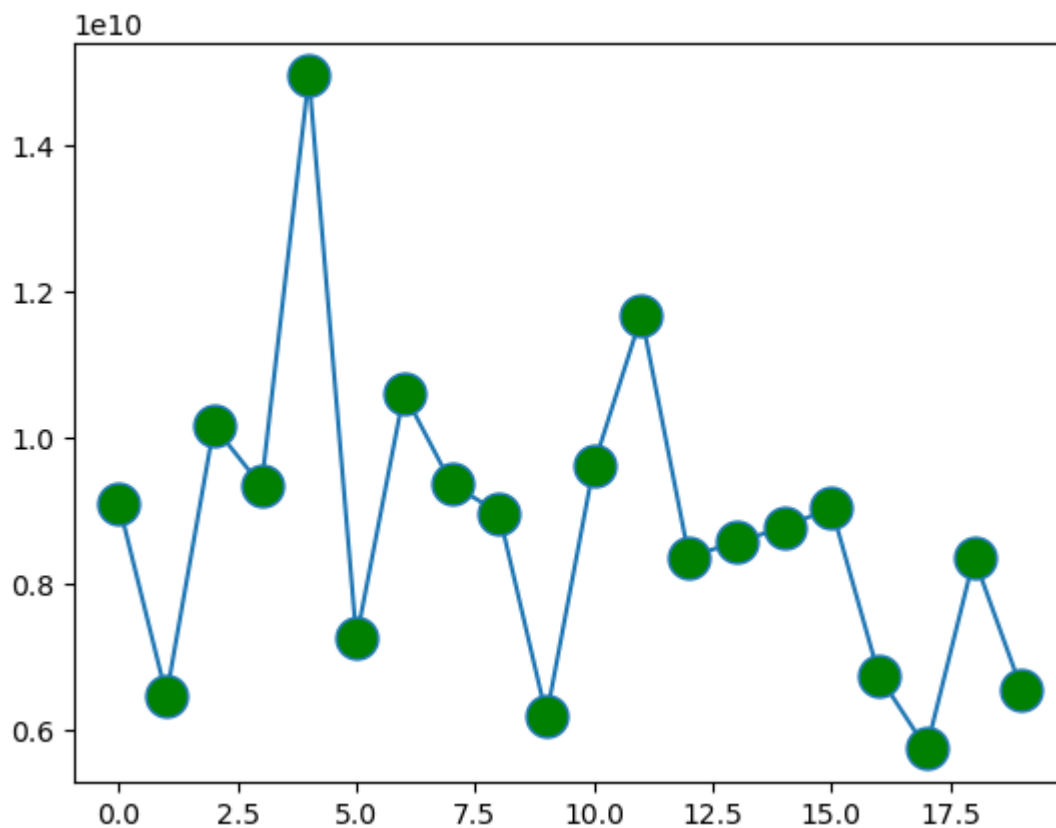
```
In [15]: plt.plot(v1,marker="o",ms=15)  
plt.show()
```



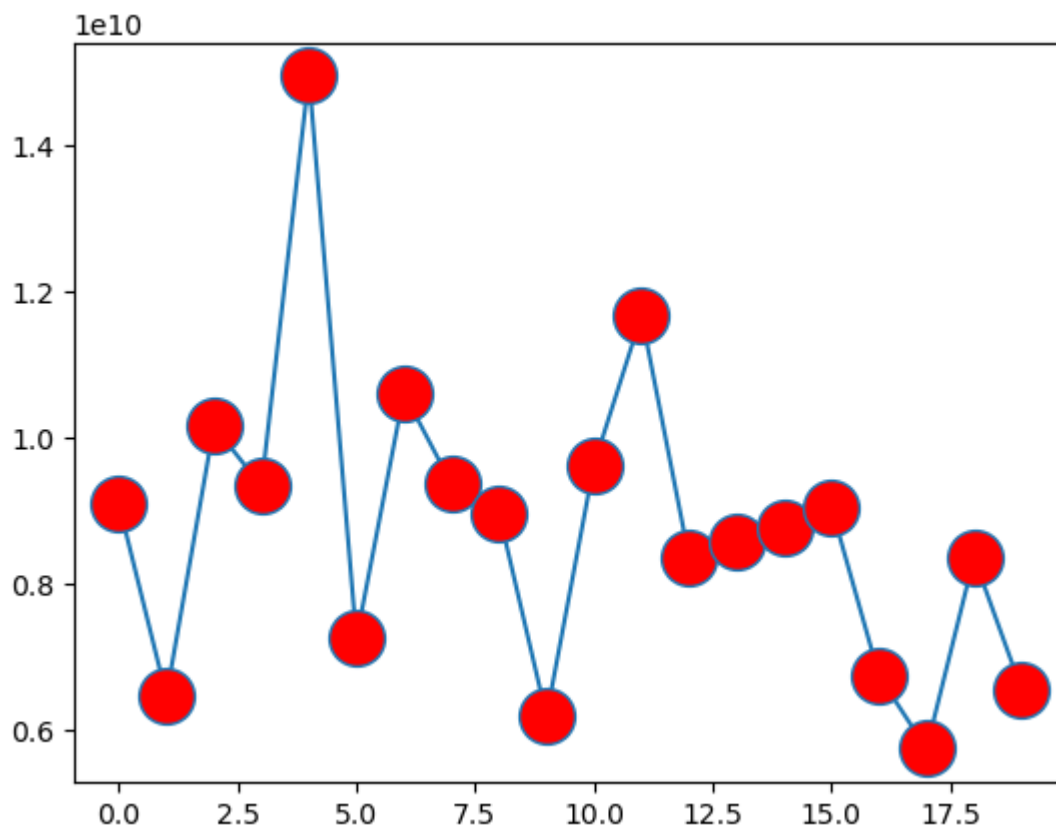
```
In [16]: plt.plot(v1,marker="o",ms=10, mec="r")  
plt.show()
```

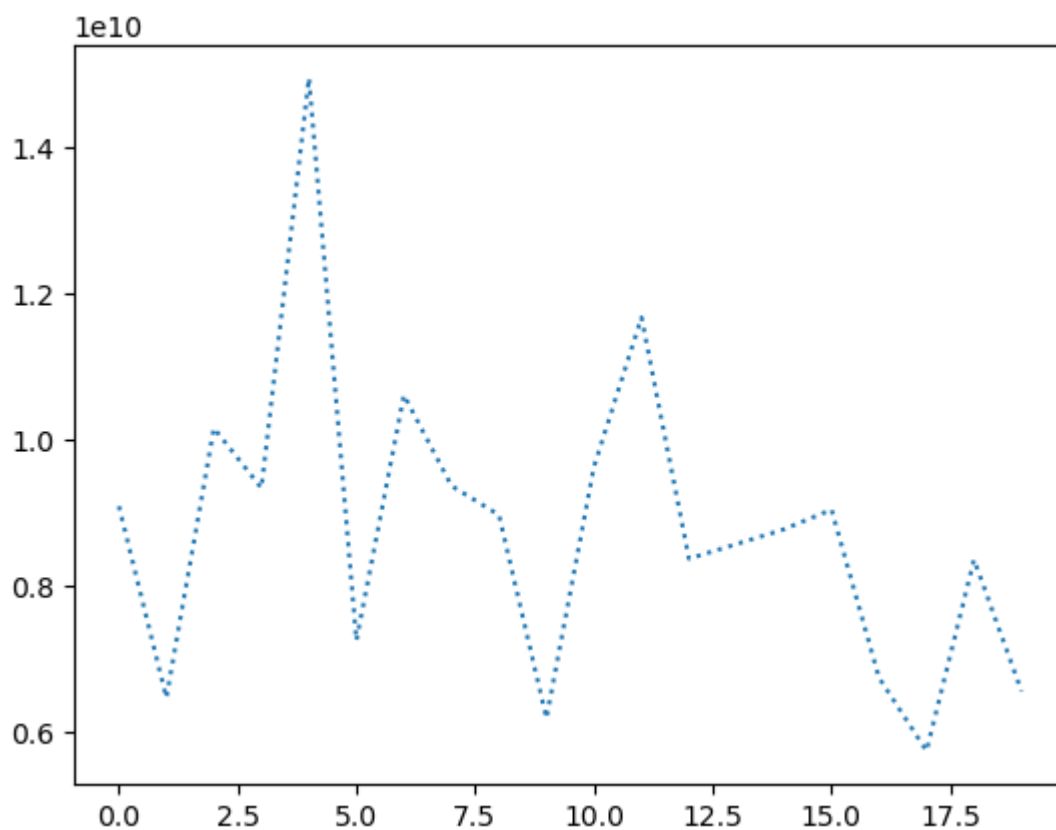
```
In [17]: plt.plot(v1, marker="o", ms=15, mfc="g")  
plt.show()
```



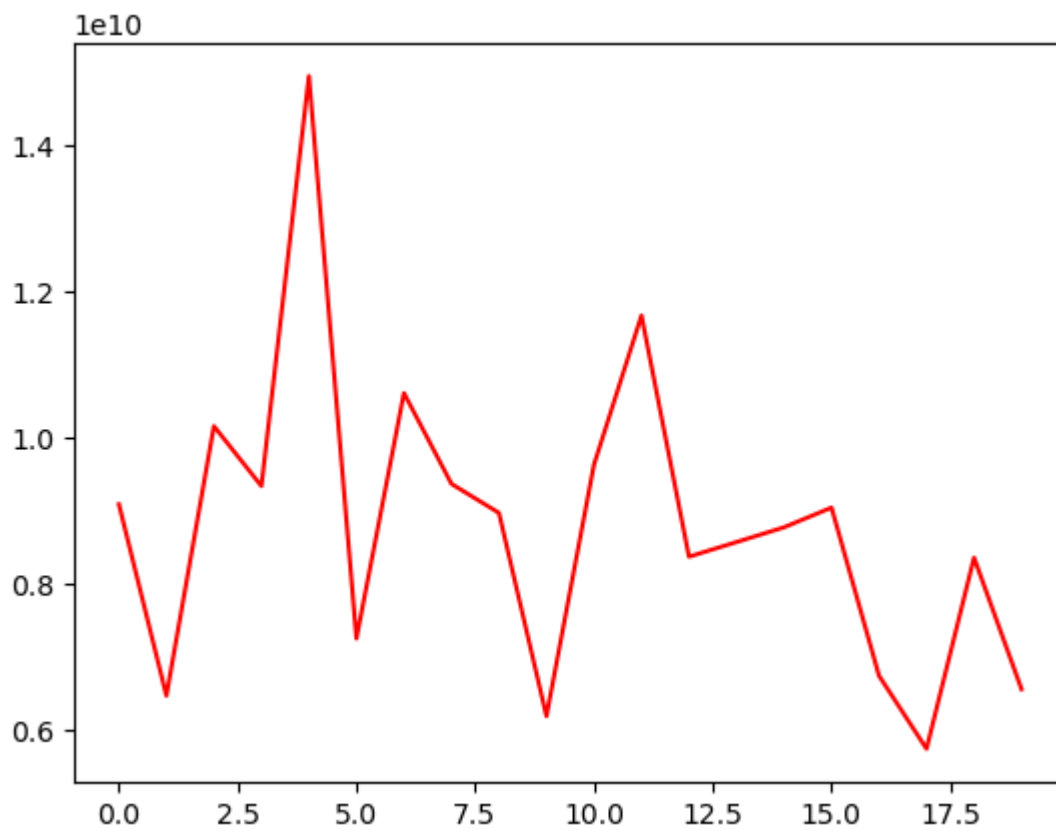
```
In [18]: plt.plot(v1, marker="o", ms=20, mfc="r")  
plt.show()
```



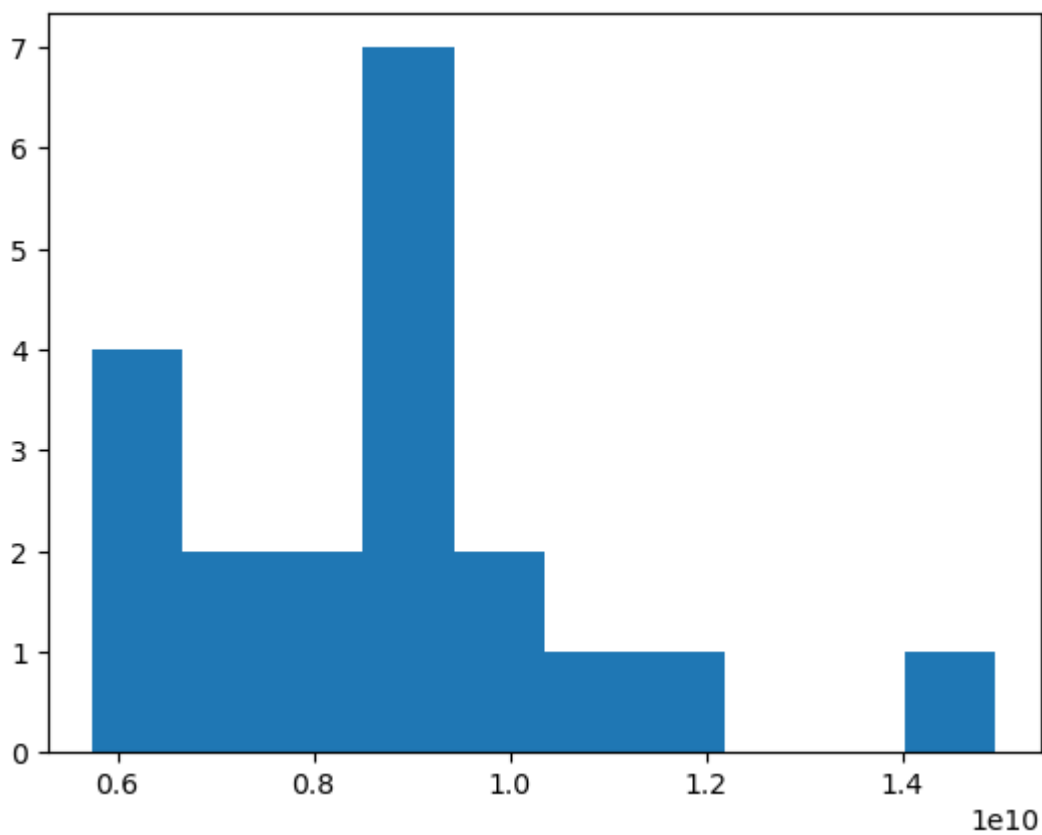
```
In [19]: plt.plot(v1, linestyle='dotted')  
plt.show()
```



```
In [20]: plt.plot(v1, color='r')  
plt.show()
```

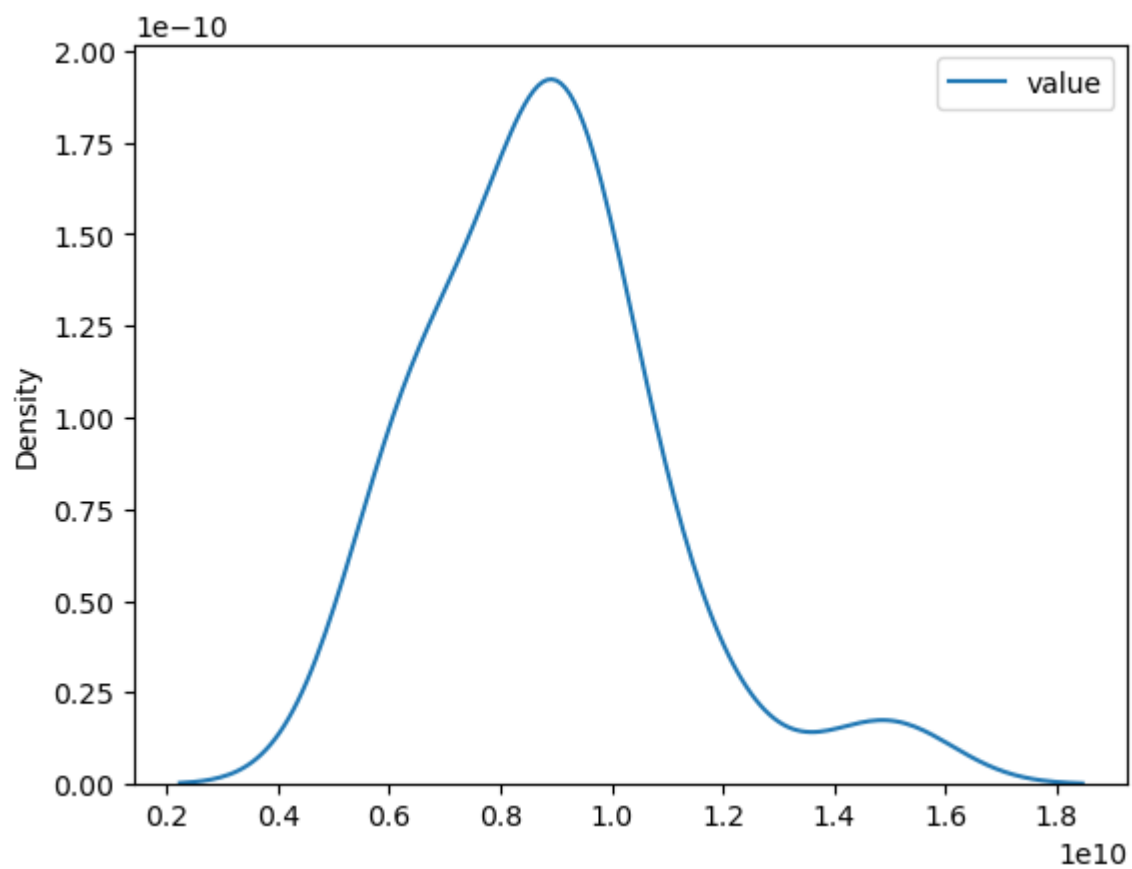


```
In [21]: plt.hist(v1)
plt.show()
```



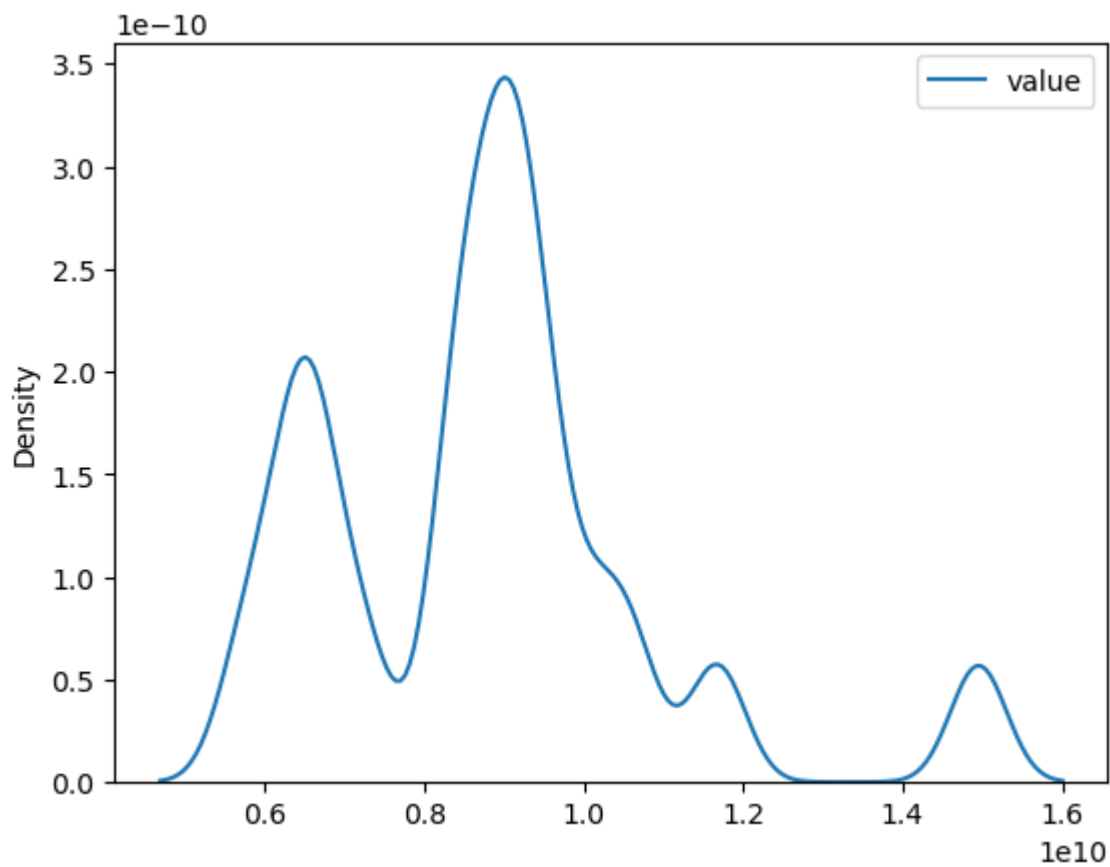
```
In [22]: sns.kdeplot(data=v1)
```

Out[22]: <AxesSubplot:ylabel='Density'>

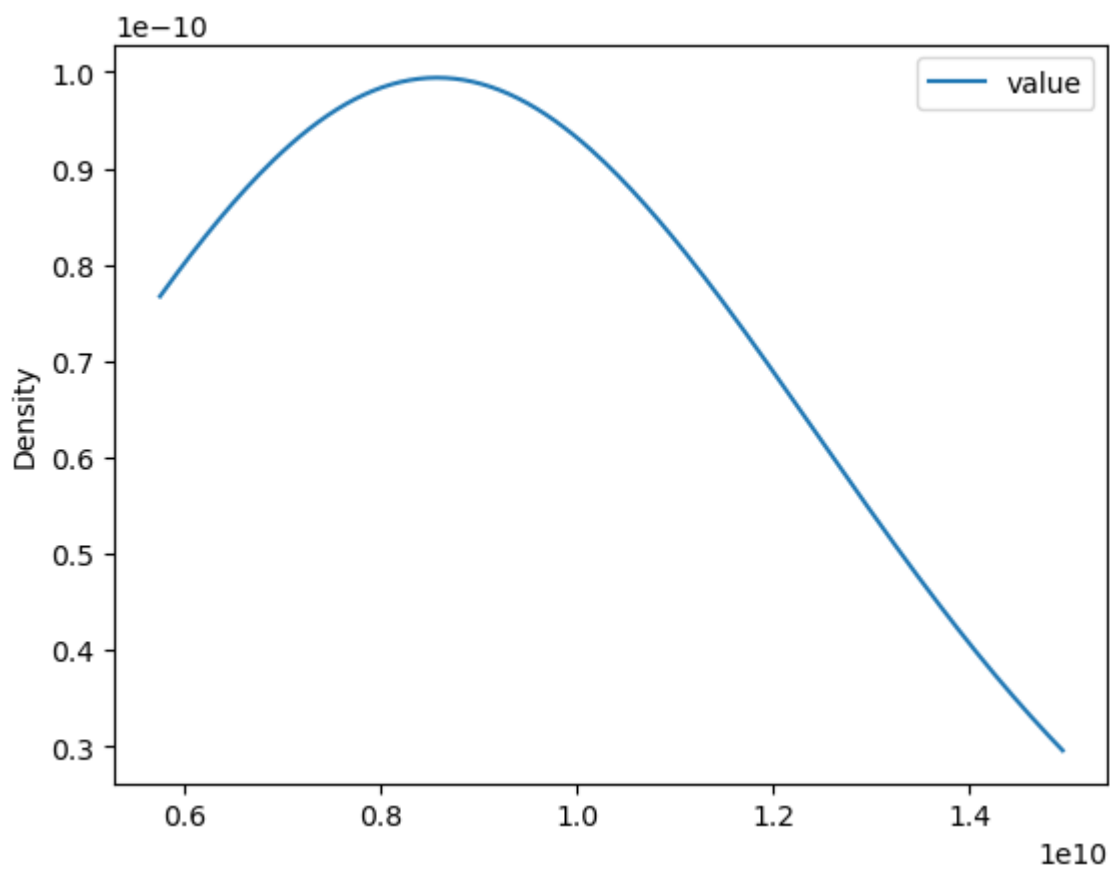


In [23]: `sns.kdeplot(data=v1, bw_adjust=.3)`

Out[23]: <AxesSubplot:ylabel='Density'>

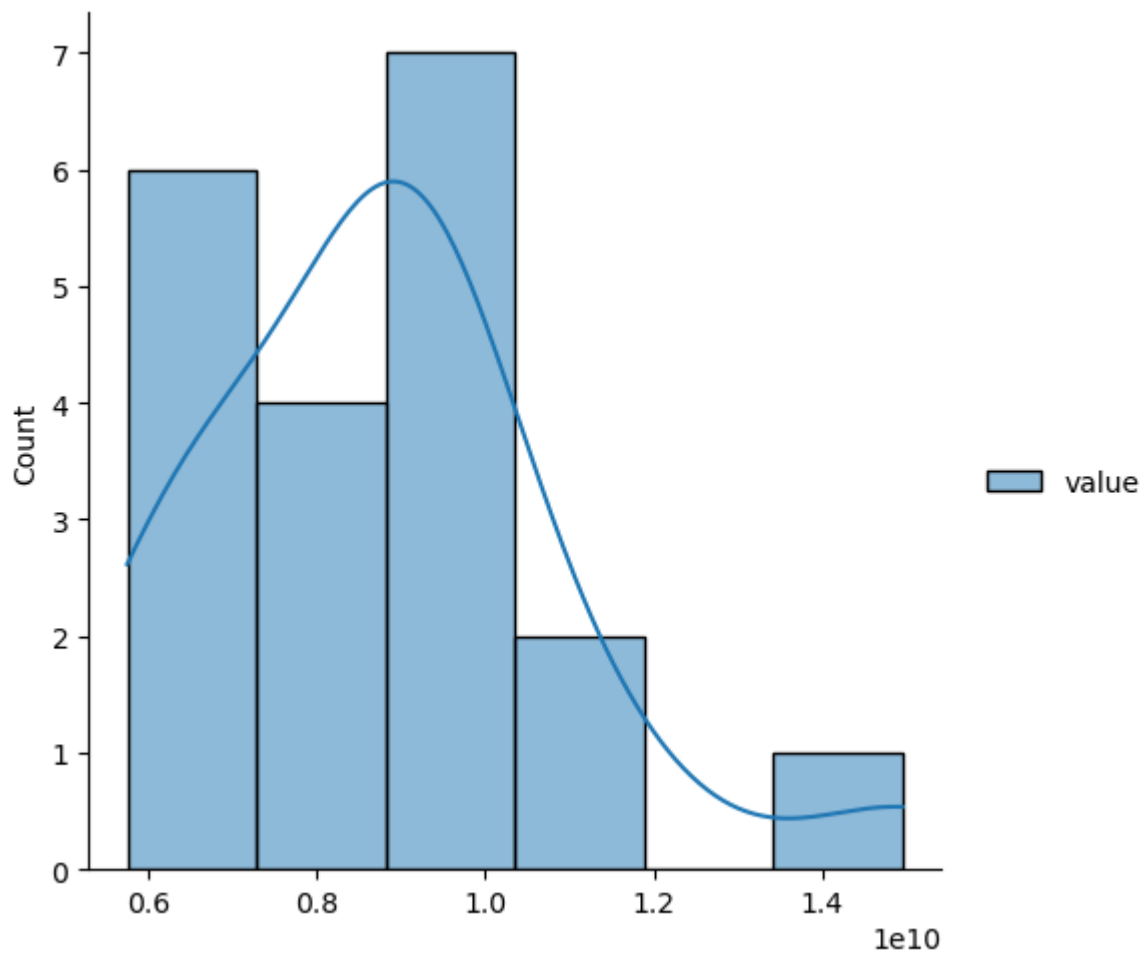


```
In [24]: ax=sns.kdeplot(data=v1, bw_adjust=3,cut=0)
```



```
In [25]: sns.displot(v1, kde=True)
```

```
Out[25]: <seaborn.axisgrid.FacetGrid at 0x1f8cf8ad9d0>
```



```
In [ ]:
```