In [2]:
```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
```

In [3]:
```
file=pd.read_csv('country_wise_latest.csv')
file
```

Out[3]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	R
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50	
1	Albania	4880	144	2745	1991	117	6	63	2.95	
2	Algeria	27973	1163	18837	7973	616	8	749	4.16	
3	Andorra	907	52	803	52	10	0	0	5.73	
4	Angola	950	41	242	667	18	1	0	4.32	
...	...	...	...	...	...	...	...	...	...	
182	West Bank and Gaza	10621	78	3752	6791	152	2	0	0.73	
183	Western Sahara	10	1	8	1	0	0	0	10.00	
184	Yemen	1691	483	833	375	10	4	36	28.56	
185	Zambia	4552	140	2815	1597	71	1	465	3.08	
186	Zimbabwe	2704	36	542	2126	192	2	24	1.33	

187 rows × 15 columns

In [54]:
```
file.isnull()
```

Out[54]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	R
0	False	False	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	...	...	
182	False	False	False	False	False	False	False	False	False	
183	False	False	False	False	False	False	False	False	False	
184	False	False	False	False	False	False	False	False	False	
185	False	False	False	False	False	False	False	False	False	
186	False	False	False	False	False	False	False	False	False	

187 rows × 15 columns

In [47]:
```
file.isnull().any(axis=1)
```

Out[47]:
```
0      False
1      False
2      False
3      False
4      False
       ...
182    False
183    False
184    False
185    False
186    False
Length: 187, dtype: bool
```

In [55]:
```
new=file.isnull()
new
```

Out[55]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	R
0	False	False	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	...	...	
182	False	False	False	False	False	False	False	False	False	
183	False	False	False	False	False	False	False	False	False	
184	False	False	False	False	False	False	False	False	False	
185	False	False	False	False	False	False	False	False	False	
186	False	False	False	False	False	False	False	False	False	

187 rows × 15 columns

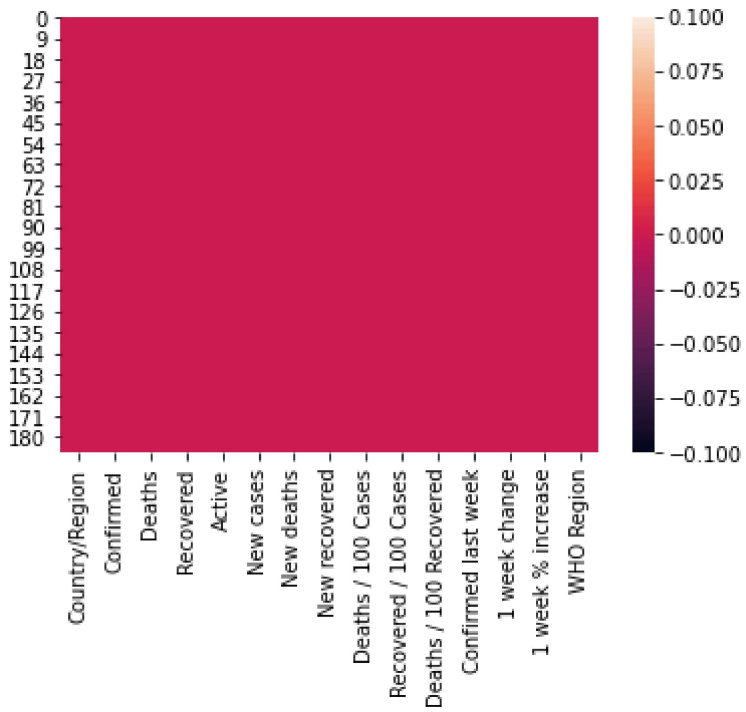
In [57]:
```
sample=file.head(20)
sample
```

Out[57]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	Re
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50	
1	Albania	4880	144	2745	1991	117	6	63	2.95	
2	Algeria	27973	1163	18837	7973	616	8	749	4.16	
3	Andorra	907	52	803	52	10	0	0	5.73	
4	Angola	950	41	242	667	18	1	0	4.32	
5	Antigua and Barbuda	86	3	65	18	4	0	5	3.49	
6	Argentina	167416	3059	72575	91782	4890	120	2057	1.83	
7	Armenia	37390	711	26665	10014	73	6	187	1.90	
8	Australia	15303	167	9311	5825	368	6	137	1.09	
9	Austria	20558	713	18246	1599	86	1	37	3.47	
10	Azerbaijan	30446	423	23242	6781	396	6	558	1.39	
11	Bahamas	382	11	91	280	40	0	0	2.88	
12	Bahrain	39482	141	36110	3231	351	1	421	0.36	
13	Bangladesh	226225	2965	125683	97577	2772	37	1801	1.31	
14	Barbados	110	7	94	9	0	0	0	6.36	
15	Belarus	67251	538	60492	6221	119	4	67	0.80	
16	Belgium	66428	9822	17452	39154	402	1	14	14.79	
17	Belize	48	2	26	20	0	0	0	4.17	
18	Benin	1770	35	1036	699	0	0	0	1.98	
19	Bhutan	99	0	86	13	4	0	1	0.00	

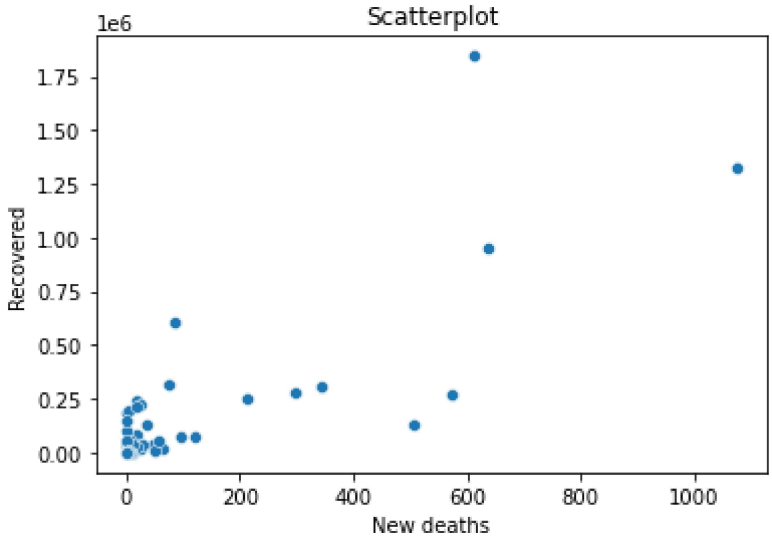
In [58]:
```
sns.heatmap(new)
```

Out[58]: <AxesSubplot:>



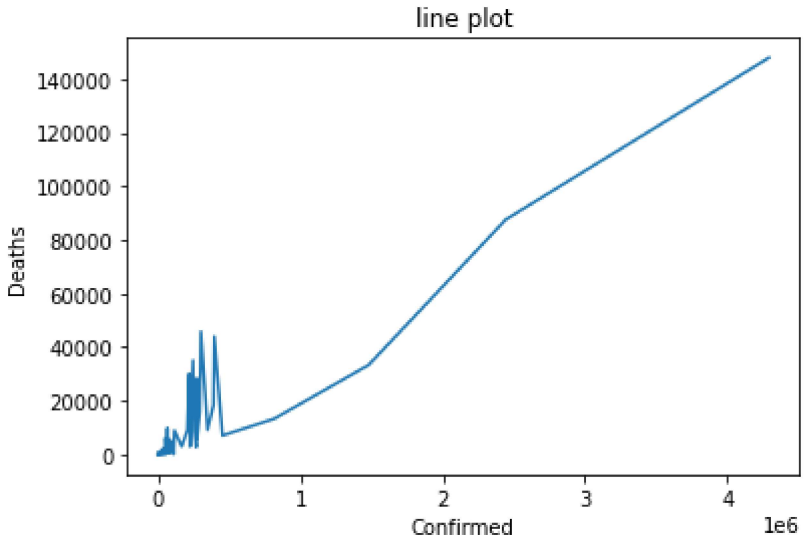
In [4]:
```
sns.scatterplot(data=file,x='New deaths',y='Recovered')
plt.title('Scatterplot')
```

Out[4]: Text(0.5, 1.0, 'Scatterplot')



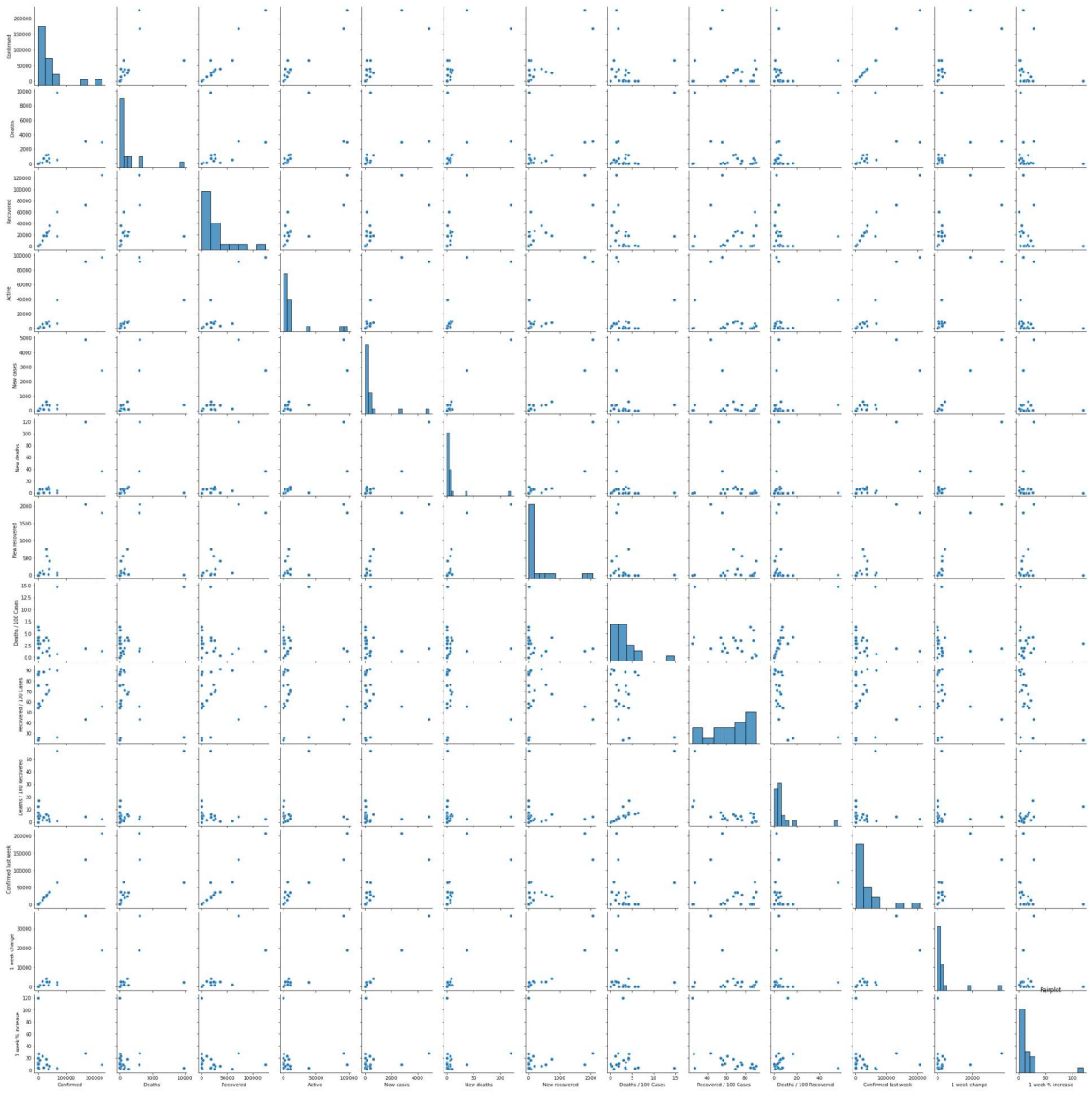
In [63]:
```
sns.lineplot(data=file,x='Confirmed',y='Deaths')
plt.title('line plot')
```

Out[63]: Text(0.5, 1.0, 'line plot')



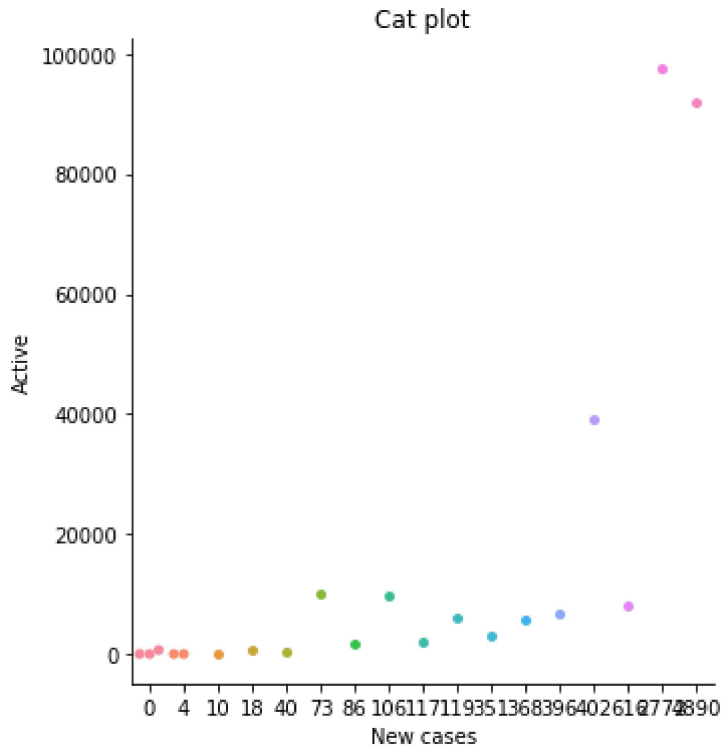
In [67]:
```
sns.pairplot(sample)
plt.title('Pairplot')
```

Out[67]: Text(0.5, 1.0, 'Pairplot')



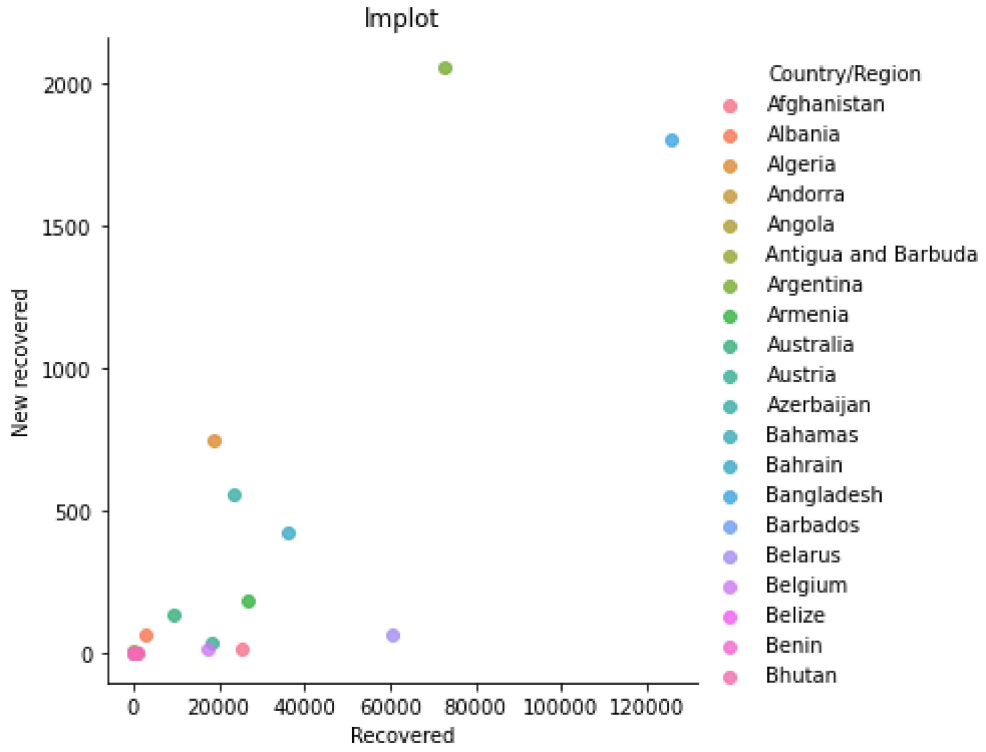
In [68]:
```
sns.catplot(data=sample,kind='swarm',x='New cases',y='Active')
plt.title('Cat plot')
```

Out[68]: Text(0.5, 1.0, 'Cat plot')



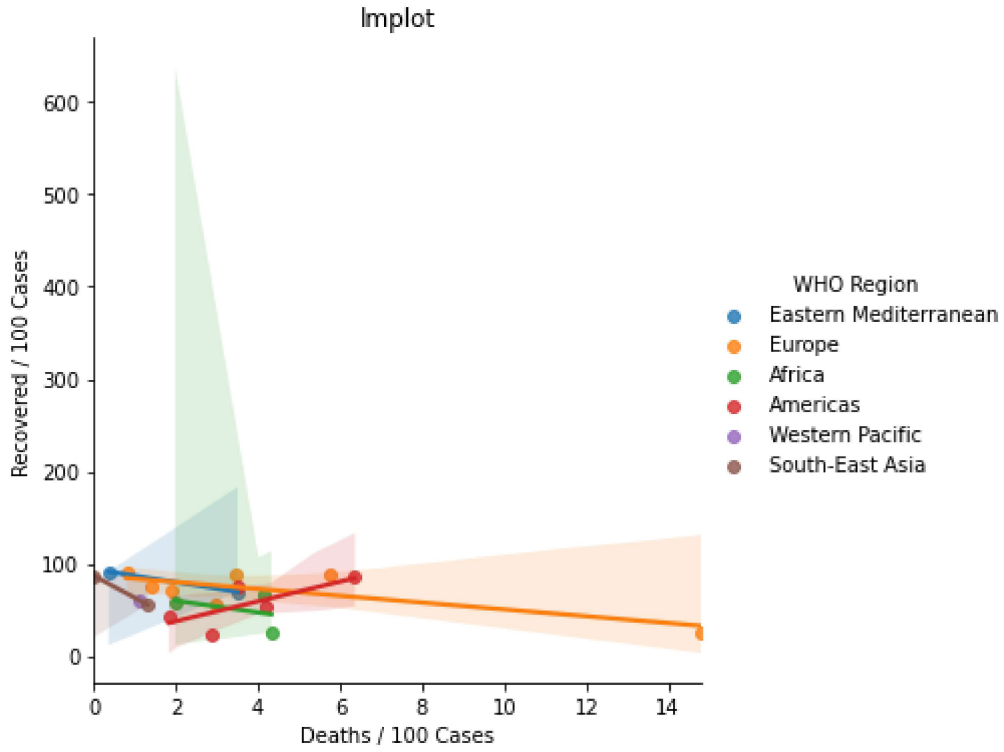
In [69]:
```
sns.lmplot(data=sample,x='Recovered',y='New recovered',hue='Country/Region')
plt.title('lmplot')
```

Out[69]:
```
Text(0.5, 1.0, 'lmplot')
```



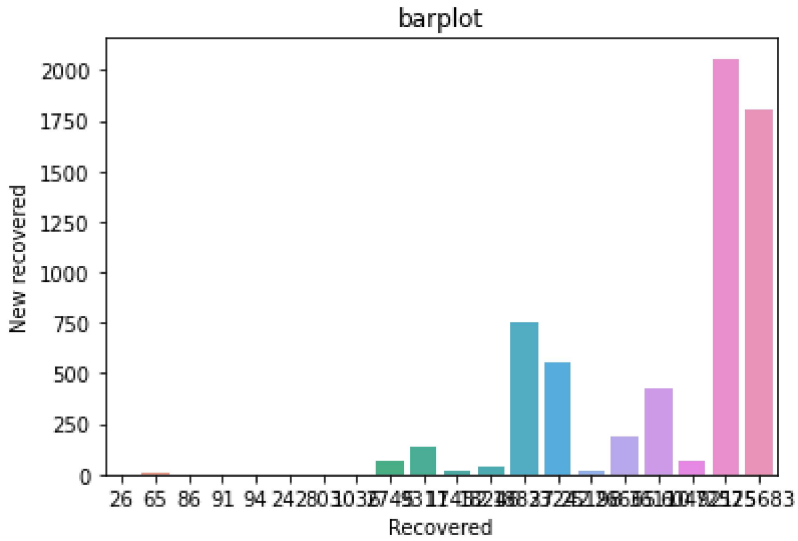
In [71]:
```
sns.lmplot(data=sample,x='Deaths / 100 Cases',y='Recovered / 100 Cases',hue='WHO
plt.title('lmplot')
```

Out[71]: Text(0.5, 1.0, 'lmplot')



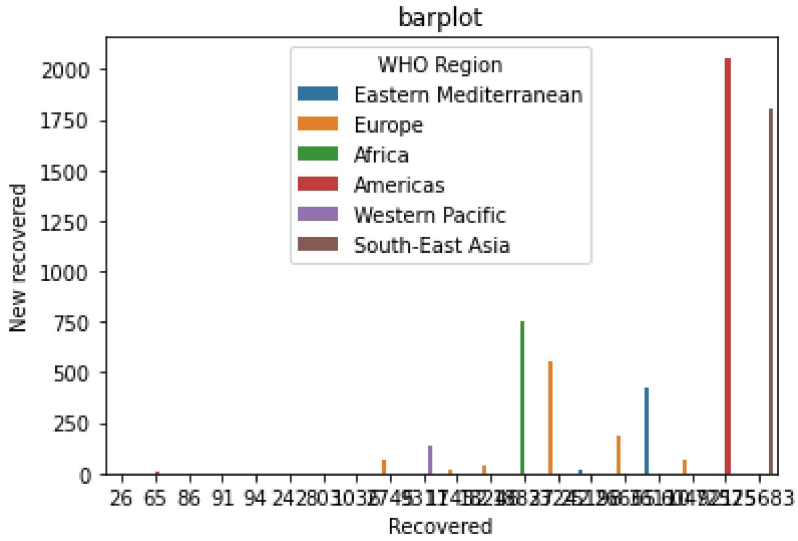
In [74]:
```
sns.barplot(data=sample,x='Recovered',y='New recovered')
plt.title('barplot')
```

Out[74]: Text(0.5, 1.0, 'barplot')



In [75]:
```
sns.barplot(data=sample,x='Recovered',y='New recovered',hue='WHO Region')
plt.title('barplot')
```

Out[75]: Text(0.5, 1.0, 'barplot')



In [76]:
```
sample.shape
```

Out[76]:
```
(20, 15)
```