aneef2

August 26, 2024

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

[5]:
```
df=pd.read_csv("C:/Users/MANOJ/Downloads/world dataset.csv")
```

[8]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 118 entries, 0 to 117
Data columns (total 3 columns):
 #   Column       Non-Null Count  Dtype 
---  ------       --------------  ----- 
 0   Ranking      118 non-null    int64 
 1   Economy      118 non-null    object
 2   (thousands)  118 non-null    object
dtypes: int64(1), object(2)
memory usage: 2.9+ KB
```

[10]:
```
df.describe()
```

[10]:

	Ranking
count	118.000000
mean	59.500000
std	34.207699
min	1.000000
25%	30.250000
50%	59.500000
75%	88.750000
max	118.000000

[82]:
```
df.head()
```

[82]:

	Ranking	Economy	(thousands)
0	1	India	1,417,173
1	2	China	1,412,175
2	3	United States	333,288

```
3        4      Indonesia     275,501
4        5       Pakistan     235,825
```

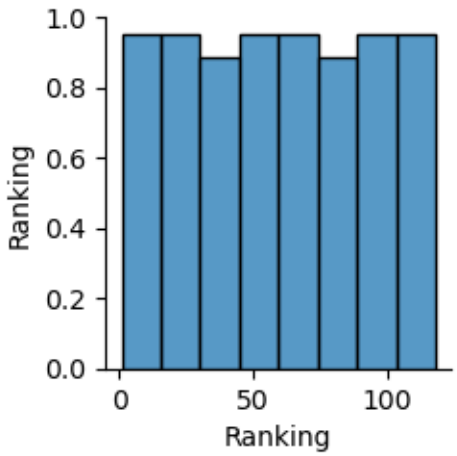
[14]:
```
df.tail()
```

[14]:
```
     Ranking                  Economy (thousands)
113      114                Singapore       5,637
114      115  Central African Republic       5,579
115      116                 Finland        5,557
116      117                 Lebanon        5,490
117      118                  Norway        5,457
```

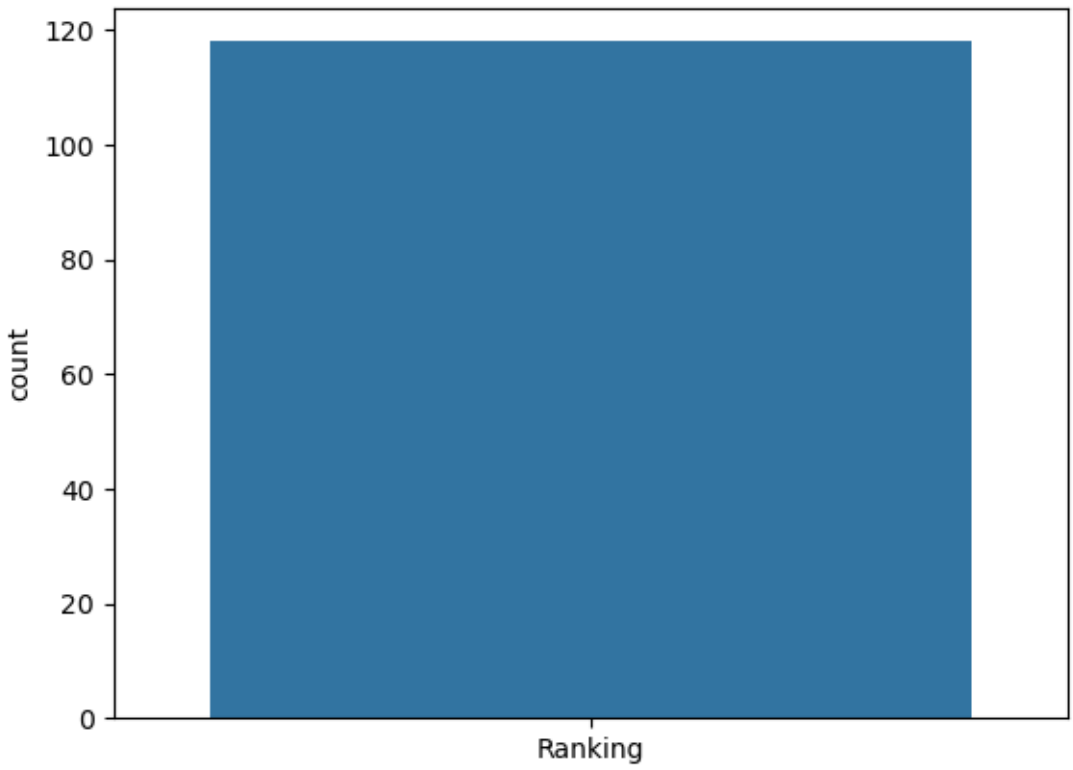
[16]:
```
df.isnull().sum()
```

[16]:
```
Ranking          0
Economy          0
(thousands)      0
dtype: int64
```

[48]:
```
sns.pairplot(df[['Ranking','Economy']])
plt.show()
```



[94]:
```
sns.countplot(label='ranking',data=df)
plt.show()
```



[76]:
```
print(df.columns)
```

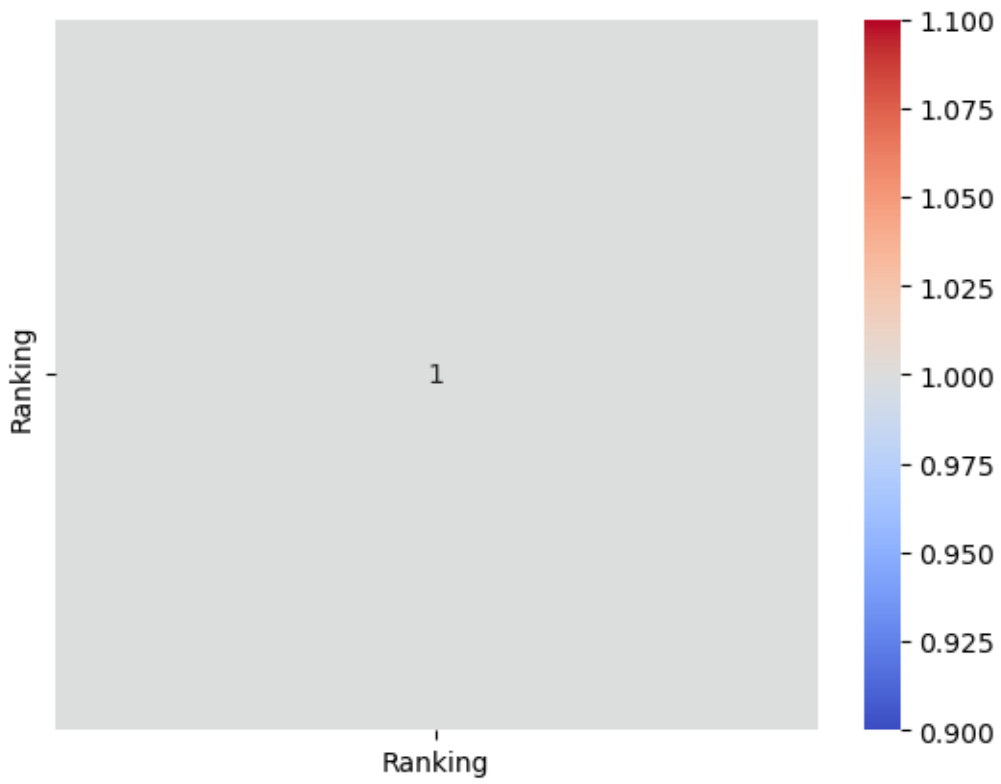
```
Index(['Ranking', 'Economy', '(thousands)'], dtype='object')
```

[106]:
```
df.dtypes
```

[106]:
```
Ranking          int64
Economy         object
(thousands)     object
dtype: object
```

[116]:
```
data_encoded = pd.get_dummies(data)
correlation_matrix = data_encoded.corr()
```

[120]:
```
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm')
 plt.show()
```


Ranking
1
Ranking
1.100
1.075
1.050
1.025
1.000
0.975
0.950
0.925
0.900

[98]:

[ ]:

[ ]: