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In [1]: #2015 analysis - kaviyadevi(20106064)
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In [ ]: import numpy as np
import pandas as pd
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In [4]: data=pd.read_csv(r"C:\Users\user\Downloads\2015 - 2015.csv")
data
```

Out[4]:

	Country	Region	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freee
0	Switzerland	Western Europe	1	7.587	0.03411	1.39651	1.34951	0.94143	0.66
1	Iceland	Western Europe	2	7.561	0.04884	1.30232	1.40223	0.94784	0.62
2	Denmark	Western Europe	3	7.527	0.03328	1.32548	1.36058	0.87464	0.64
3	Norway	Western Europe	4	7.522	0.03880	1.45900	1.33095	0.88521	0.66
4	Canada	North America	5	7.427	0.03553	1.32629	1.32261	0.90563	0.63
...	...	...	...	...	...	...	...	...	...
153	Rwanda	Sub-Saharan Africa	154	3.465	0.03464	0.22208	0.77370	0.42864	0.59
154	Benin	Sub-Saharan Africa	155	3.340	0.03656	0.28665	0.35386	0.31910	0.48
155	Syria	Middle East and Northern Africa	156	3.006	0.05015	0.66320	0.47489	0.72193	0.15
156	Burundi	Sub-Saharan Africa	157	2.905	0.08658	0.01530	0.41587	0.22396	0.11
157	Togo	Sub-Saharan Africa	158	2.839	0.06727	0.20868	0.13995	0.28443	0.36

158 rows × 12 columns



```
In [21]: data.head()
```

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Out[21]:
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	Country	Region	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedom
0	Switzerland	Western Europe	1	7.587	0.03411	1.39651	1.34951	0.94143	0.6655
1	Iceland	Western Europe	2	7.561	0.04884	1.30232	1.40223	0.94784	0.6287
2	Denmark	Western Europe	3	7.527	0.03328	1.32548	1.36058	0.87464	0.6493
3	Norway	Western Europe	4	7.522	0.03880	1.45900	1.33095	0.88521	0.6697
4	Canada	North America	5	7.427	0.03553	1.32629	1.32261	0.90563	0.6329



```
In [6]: data.tail()
```

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Out[6]:
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	Country	Region	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedom
153	Rwanda	Sub-Saharan Africa	154	3.465	0.03464	0.22208	0.77370	0.42864	0.5920
154	Benin	Sub-Saharan Africa	155	3.340	0.03656	0.28665	0.35386	0.31910	0.4845
155	Syria	Middle East and Northern Africa	156	3.006	0.05015	0.66320	0.47489	0.72193	0.1568
156	Burundi	Sub-Saharan Africa	157	2.905	0.08658	0.01530	0.41587	0.22396	0.1185
157	Togo	Sub-Saharan Africa	158	2.839	0.06727	0.20868	0.13995	0.28443	0.3645



```
In [8]: data.describe()
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Out[8]:

	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedom	(Govt Cor
count	158.000000	158.000000	158.000000	158.000000	158.000000	158.000000	158.000000	158
mean	79.493671	5.375734	0.047885	0.846137	0.991046	0.630259	0.428615	0
std	45.754363	1.145010	0.017146	0.403121	0.272369	0.247078	0.150693	0
min	1.000000	2.839000	0.018480	0.000000	0.000000	0.000000	0.000000	0
25%	40.250000	4.526000	0.037268	0.545808	0.856823	0.439185	0.328330	0
50%	79.500000	5.232500	0.043940	0.910245	1.029510	0.696705	0.435515	0
75%	118.750000	6.243750	0.052300	1.158448	1.214405	0.811013	0.549092	0
max	158.000000	7.587000	0.136930	1.690420	1.402230	1.025250	0.669730	0



```
In [17]: print(np.shape(data))
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(158, 12)

```
In [23]: print(np.size(data))
```

1896

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In [ ]:
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