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

Line Plot

In [2]:
```
d=pd.read_csv("2015.csv")
d
```

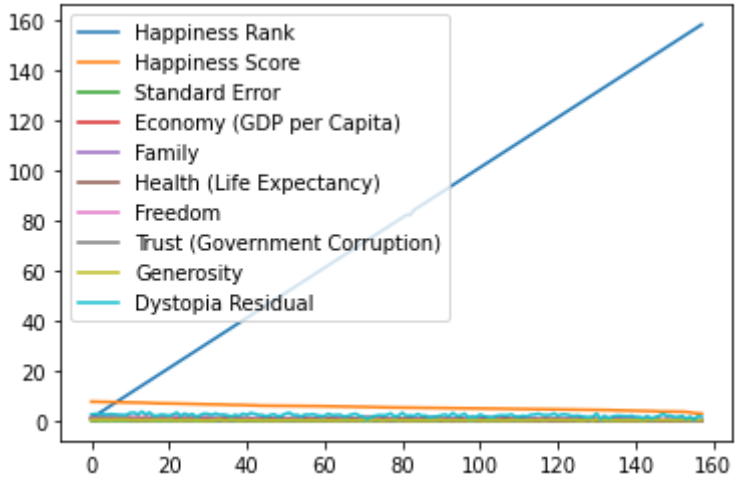
Out[2]:

	Country	Region	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedo
0	Switzerland	Western Europe	1	7.587	0.03411	1.39651	1.34951	0.94143	0.665
1	Iceland	Western Europe	2	7.561	0.04884	1.30232	1.40223	0.94784	0.628
2	Denmark	Western Europe	3	7.527	0.03328	1.32548	1.36058	0.87464	0.649
3	Norway	Western Europe	4	7.522	0.03880	1.45900	1.33095	0.88521	0.669
4	Canada	North America	5	7.427	0.03553	1.32629	1.32261	0.90563	0.632
...	...	...	...	...	...	...	...	...	
153	Rwanda	Sub-Saharan Africa	154	3.465	0.03464	0.22208	0.77370	0.42864	0.592
154	Benin	Sub-Saharan Africa	155	3.340	0.03656	0.28665	0.35386	0.31910	0.484
155	Syria	Middle East and Northern Africa	156	3.006	0.05015	0.66320	0.47489	0.72193	0.156
156	Burundi	Sub-Saharan Africa	157	2.905	0.08658	0.01530	0.41587	0.22396	0.118
157	Togo	Sub-Saharan Africa	158	2.839	0.06727	0.20868	0.13995	0.28443	0.364

158 rows × 12 columns

In [3]:
```
d.plot()
```

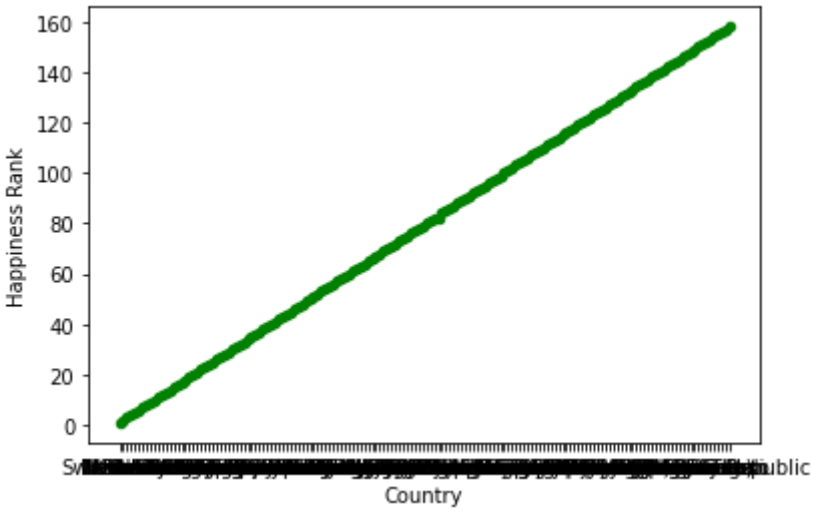
Out[3]: <AxesSubplot:>



Scatter Plot

In [9]:
```
d.plot.scatter(x="Country",y="Happiness Rank",color='green')
```

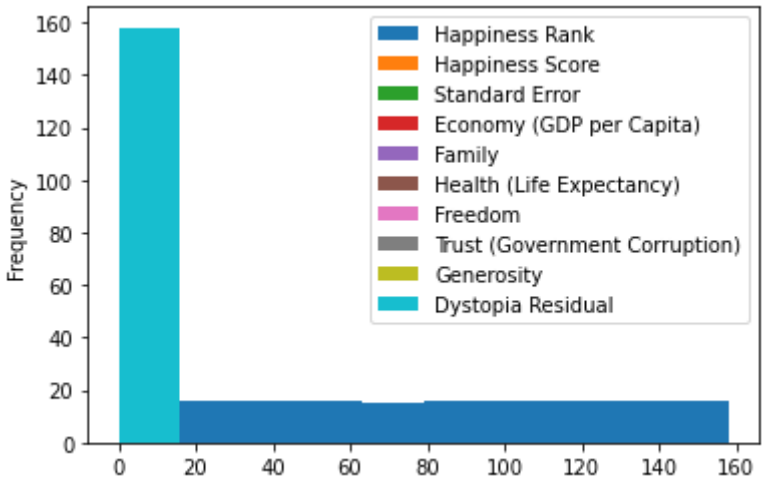
Out[9]: <AxesSubplot:xlabel='Country', ylabel='Happiness Rank'>



Histogram

In [4]:
```
d.plot.hist()
```

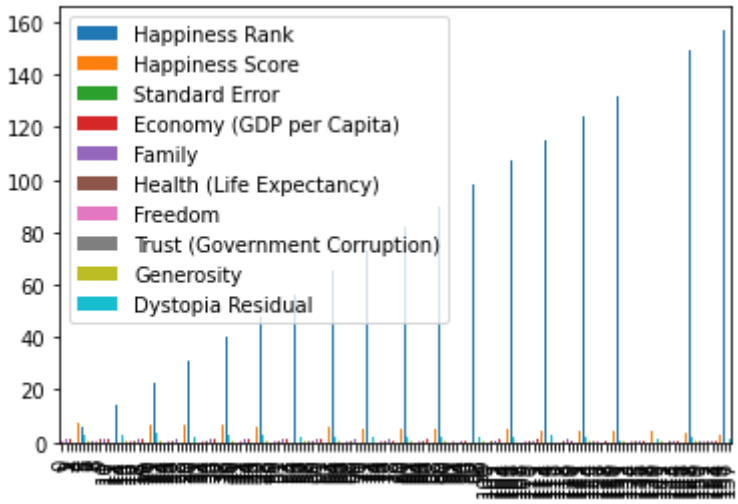
Out[4]: <AxesSubplot:ylabel='Frequency'>



Bar Plot

In [5]:
```
d.plot.bar()
```

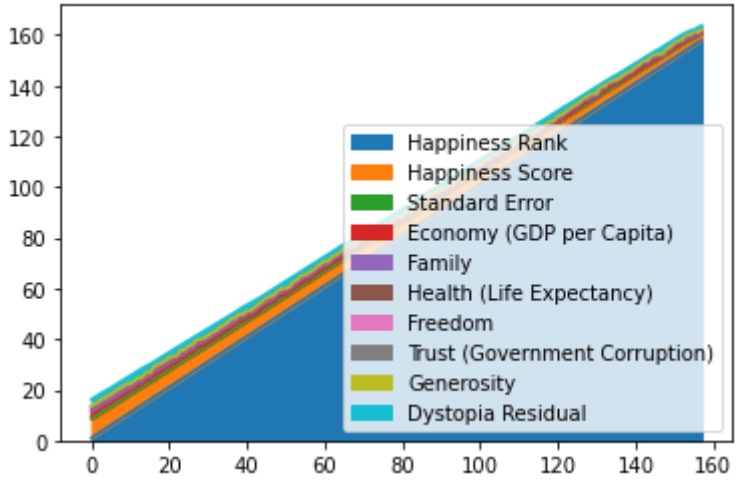
Out[5]: <AxesSubplot:>



Area Plot

In [6]:
```
d.plot.area()
```

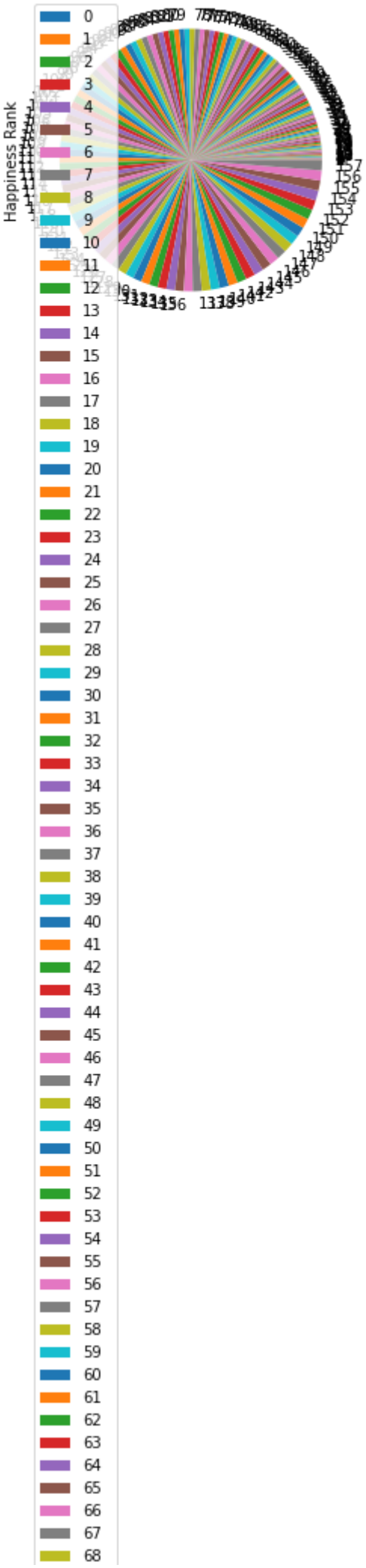
Out[6]: <AxesSubplot:>



Pie Chart

In [10]:
```
d.plot.pie(y="Happiness Rank")
```

Out[10]:
```
<AxesSubplot:ylabel='Happiness Rank'>
```


Happiness Rank
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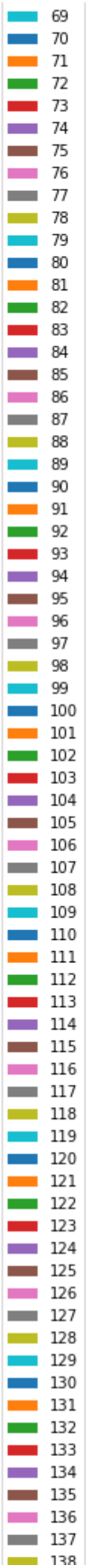
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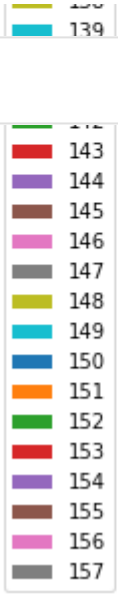

In [ ]: