
WORLD HAPPINESS REPORT

MOTIVATION

Global perspective on Well-being:

The World Happiness Report Provides a unique global perspective on the well-being and happiness of people in different countries. Analyzing and visualizing this data can give us insights into the factors that contribute to happiness worldwide.

Social Impact:

Happiness and well-being are critical aspects of human life. By studying and understanding the factors that contribute to happiness, we can contribute to discussions on social policy, mental health and overall social well-being.

Comparative Studies:

We can conduct comparative studies between countries, regions, or income groups to identify patterns and variations in happiness levels. Understanding these differences can shed light on cultural, economic and social factors that influence well-being.

Career Opportunities:

Projects involving global datasets and interdisciplinary analysis can enhance our portfolio and make us stand out to potential employers, particularly if we are interested in fields like data science, social research or public policy.

Personal Growth:

Beyond the academic and professional benefits, working on a project related to happiness can also contribute to our personal growth. It provides an opportunity for reflection on what factors contribute to a fulfilling and happy life.

The dataset is acquired from Kaggle.

It uses basic Python libraries like numpy ,matplotlib ,pandas and spacy .

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DATA SAMPLE

2015 Data

	Country	Region	Happiness Rank	Happiness Score	Standard Error	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedom	Trust (Government Corruption)	Generosity	Dystopia Residual
0	Switzerland	Western Europe	1	7.587	0.03411	1.39651	1.34951	0.94143	0.66557	0.41978	0.29678	2.51738
1	Iceland	Western Europe	2	7.561	0.04884	1.30232	1.40223	0.94784	0.62877	0.14145	0.43630	2.70201
2	Denmark	Western Europe	3	7.527	0.03328	1.32548	1.36058	0.87464	0.64938	0.48357	0.34139	2.49204
3	Norway	Western Europe	4	7.522	0.03880	1.45900	1.33095	0.88521	0.66973	0.36503	0.34699	2.46531
4	Canada	North America	5	7.427	0.03553	1.32629	1.32261	0.90563	0.63297	0.32957	0.45811	2.45176

2016 Data

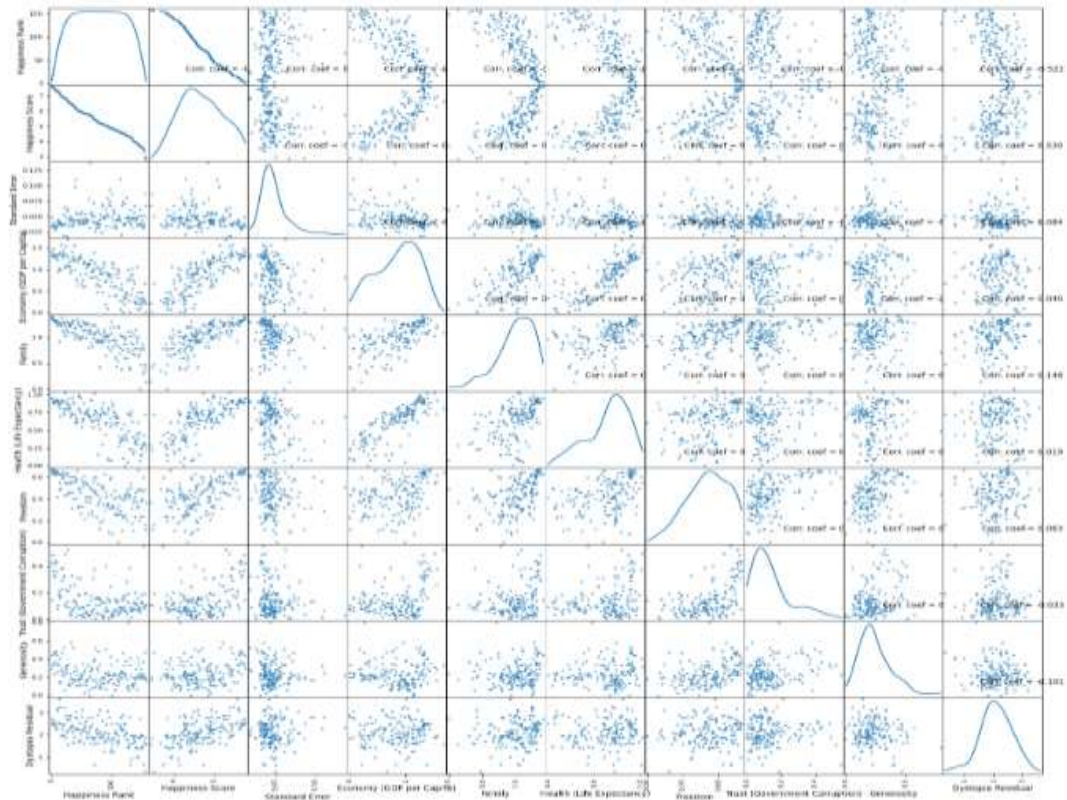
	Country	Region	Happiness Rank	Happiness Score	Lower Confidence Interval	Upper Confidence Interval	Economy (GDP per Capita)	Family	Health (Life Expectancy)	Freedom	Trust (Government Corruption)	Generosity	Dystopia Residual
0	Denmark	Western Europe	1	7.526	7.460	7.592	1.44178	1.16374	0.79504	0.57941	0.44453	0.36171	2.73939
1	Switzerland	Western Europe	2	7.509	7.428	7.590	1.52733	1.14524	0.86303	0.58557	0.41203	0.28083	2.69463
2	Iceland	Western Europe	3	7.501	7.333	7.669	1.42666	1.18326	0.86733	0.56624	0.14975	0.47678	2.83137
3	Norway	Western Europe	4	7.498	7.421	7.575	1.57744	1.12690	0.79579	0.59609	0.35776	0.37895	2.66465
4	Finland	Western Europe	5	7.413	7.351	7.475	1.40598	1.13464	0.81091	0.57104	0.41004	0.25492	2.82596

2017 Data

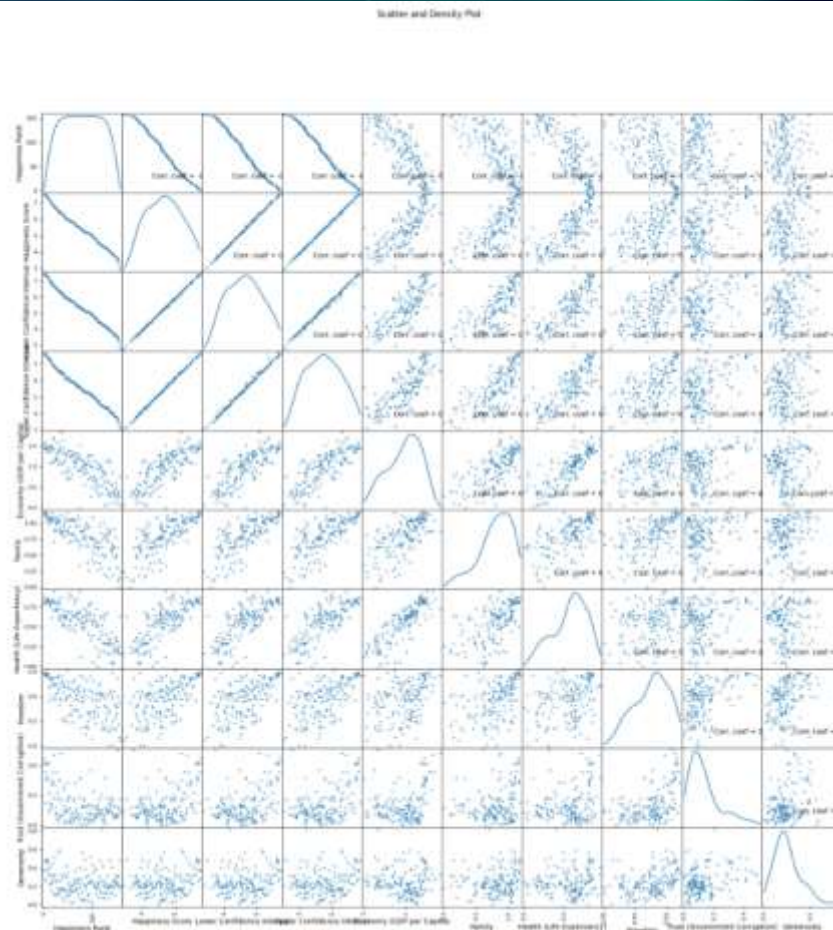
	Country	Happiness.Rank	Happiness.Score	Whisker.high	Whisker.Low	Economy..GDP.per.Capita.	Family	Health..Life.Expectancy.	Freedom	Generosity	Trust..Government.Corruption.	Dystopia.Residual
0	Norway	1	7.537	7.594445	7.479556	1.616463	1.533524	0.796667	0.635423	0.362012	0.315964	2.277027
1	Denmark	2	7.522	7.581728	7.462272	1.482383	1.551122	0.792566	0.626007	0.355280	0.400770	2.313707
2	Iceland	3	7.504	7.622030	7.385970	1.480633	1.610574	0.833552	0.627163	0.475540	0.153527	2.322715
3	Switzerland	4	7.494	7.561772	7.426227	1.564980	1.516912	0.858131	0.620071	0.290549	0.367007	2.276716
4	Finland	5	7.469	7.527542	7.410458	1.443572	1.540247	0.809158	0.617951	0.245483	0.382612	2.430182

Scatter and Density Plot 2015

Scatter and Density Plot



Scatter and Density Plot 2016



Scatter and Density Plot 2017

