GLOBAL HAPPINESS PROJECT (2015–2019)

Geoffrey K. Rono

MSc. Data Science

University of Europe for Applied Sciences GmbH

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PROJECT OVERVIEW

❖ Analyzed **World Happiness Reports (2015–2019)**.

❖ Tools: **Python, pandas, Plotly, Seaborn, Streamlit**.

❖ Built a **clean dataset** and conducted EDA.

❖ Created an **interactive Streamlit dashboard** for insights.

Objectives

✅ Understand global happiness trends.

✅ Identify top 10 happiest countries yearly.

✅ Visualize happiness score distributions.

✅ Explore correlations of influencing factors.

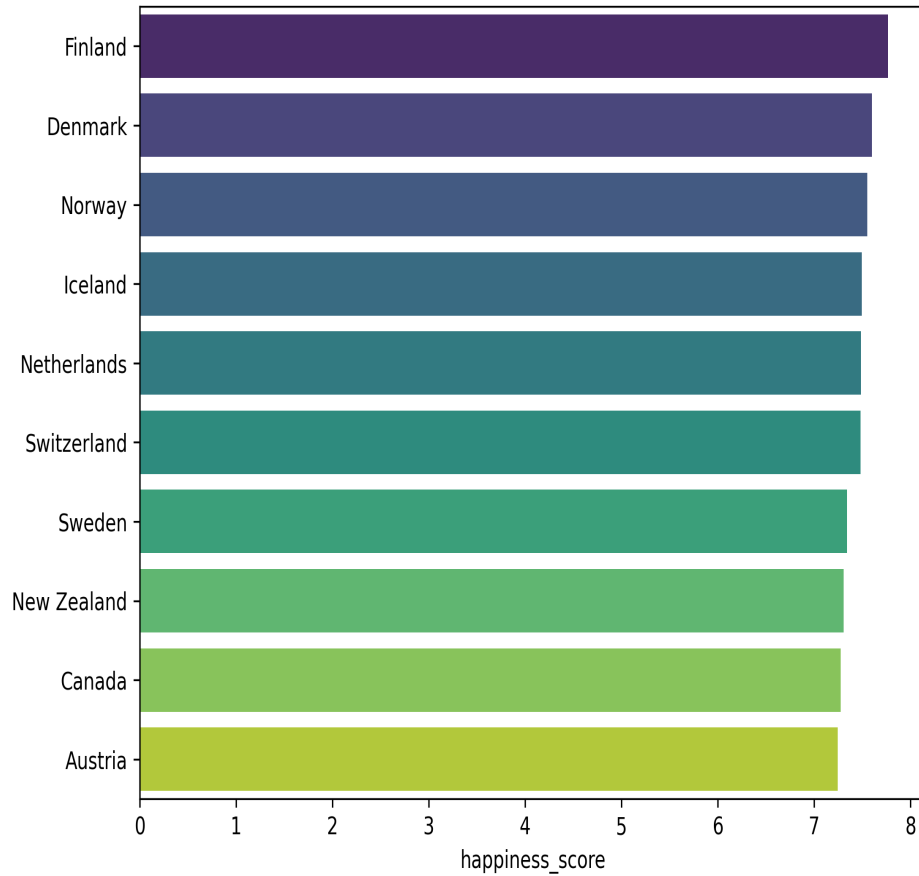✅ Build an interactive dashboard for

exploration.

METHODOLOGY

- ❏ Data cleaning and merging 2015–2019 CSVs.
- ❏ Exploratory Data Analysis in Jupyter.
- ❏ Visualizations:
    - ❏ Boxplots
    - ❏ Choropleth Maps
    - ❏ Line Trends
    - ❏ Correlation Heatmaps
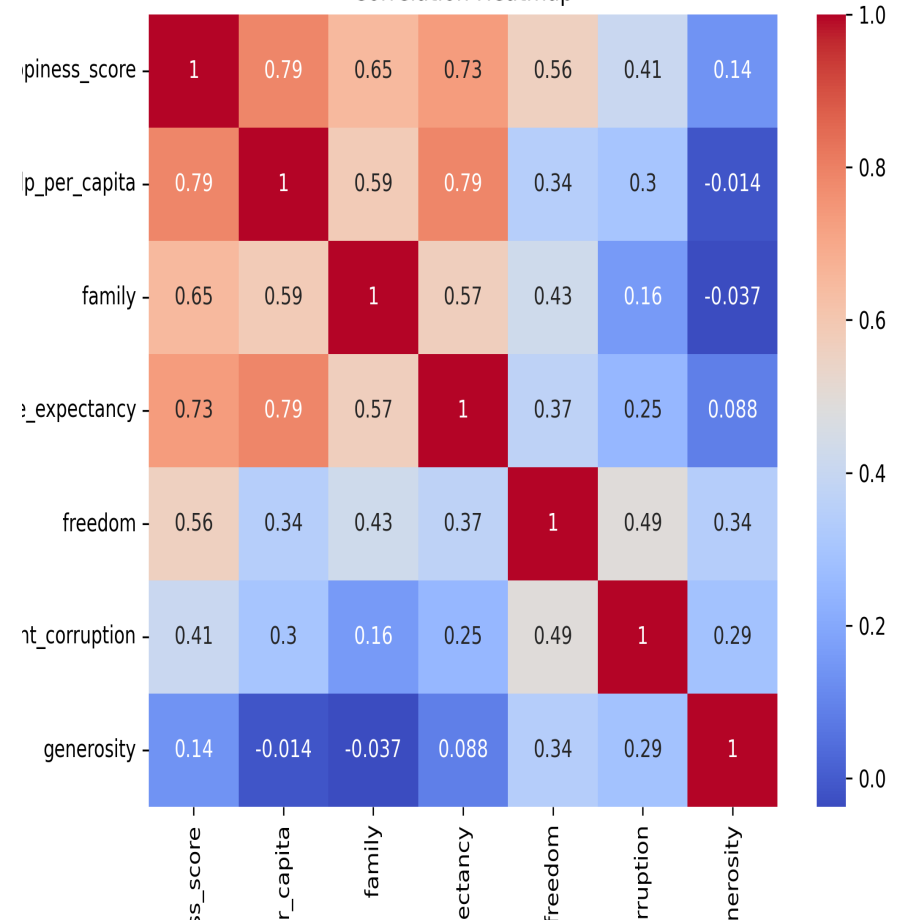- ❏ Built **linear regression model** for predictive insights.

KEY VISUALIZATIONS

Dashboard Preview

Live demo:

[Streamlit Dashboard](#)

Select Year

2015

2015
2016
2017
2018
2019

streamlitApp

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🌍 **Global Happiness Dashboard (2015)**

Top 10 Happiest Countries

Manage app

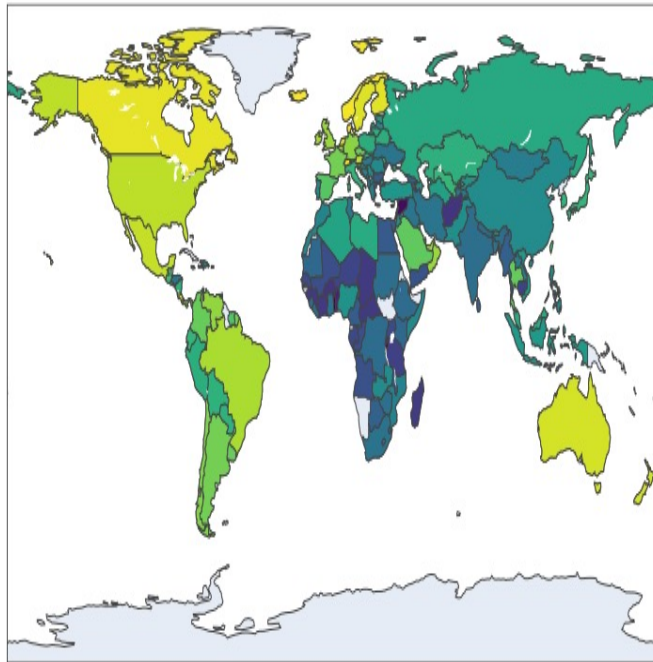# INSIGHTS

✅ Consistent top performers: Switzerland, Iceland, Denmark, Norway.

✅ Economic factors strongly correlated with happiness.

✅ Interactive exploration helps identify regional differences.

✅ Visualization improves communication of findings.a

Conclusion & Next Steps

Successfully analyzed multi-year global happiness trends.

Delivered clean, portfolio-ready project with GitHub + Streamlit.

Next:
Extend to ML clustering analysis.

Next:
Integrate advanced dashboards.

Next:
Link to policy insights and regional studies.

| Conclusion | Conclusion | Step | Step | Step |

Animated Global Happiness Scores (2015–2019)

Links

📁 GitHub Repository

🌐 Live Dashboard

✉️ LinkedIn

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THANK YOU

Geoffrey K. Rono

geoffrey.rono@ue-Germany.de

LinkedIn/