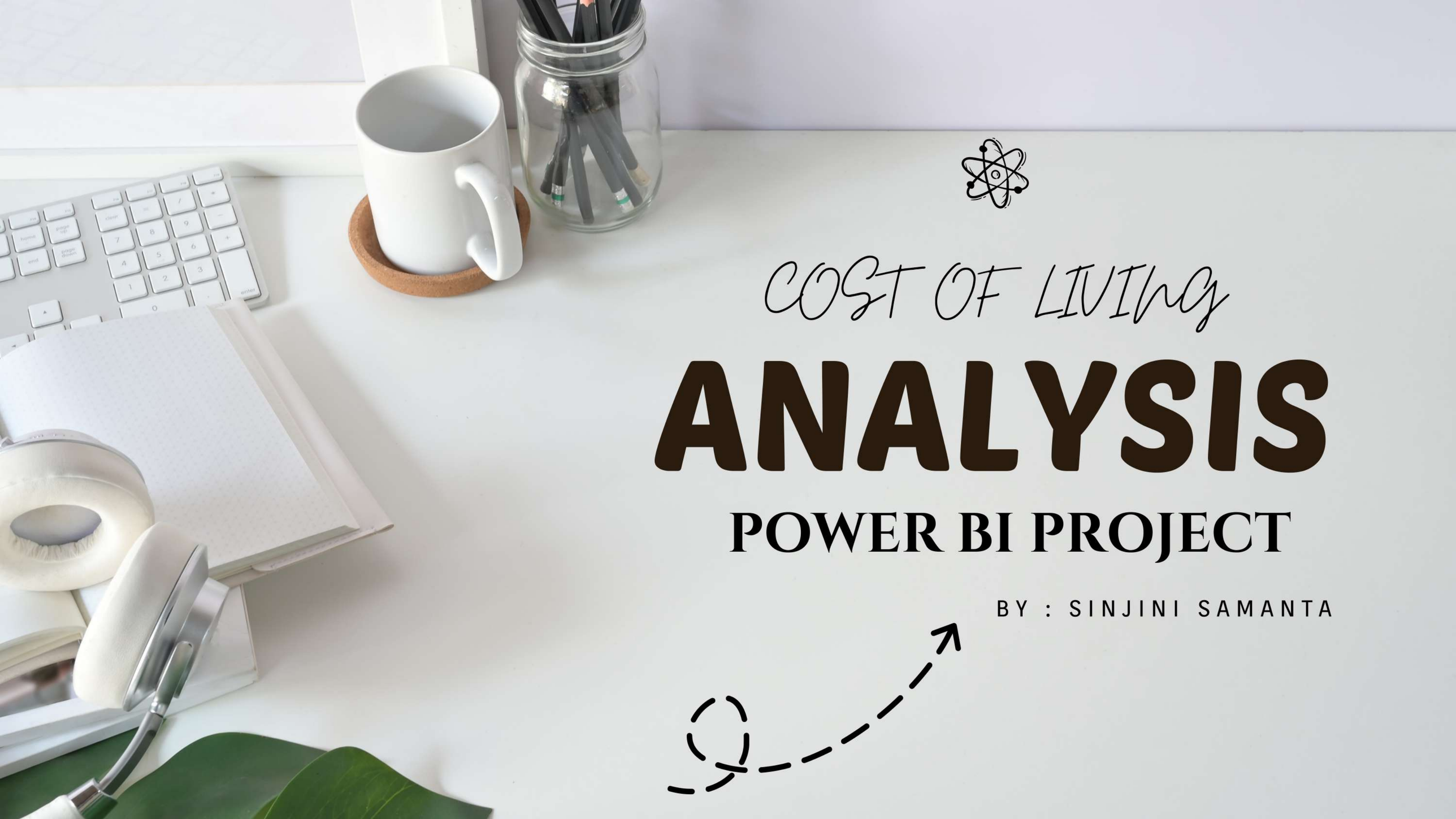

COST OF LIVING

ANALYSIS

POWER BI PROJECT

BY : SINJINI SAMANTA

INTRODUCTION

In an increasingly globalized world, understanding the cost of living across various cities and countries has become essential for individuals, businesses, and policymakers. Whether it is for making informed decisions about relocation, business expansion, or economic planning, comprehensive insights into the cost of living can significantly impact strategic choices.

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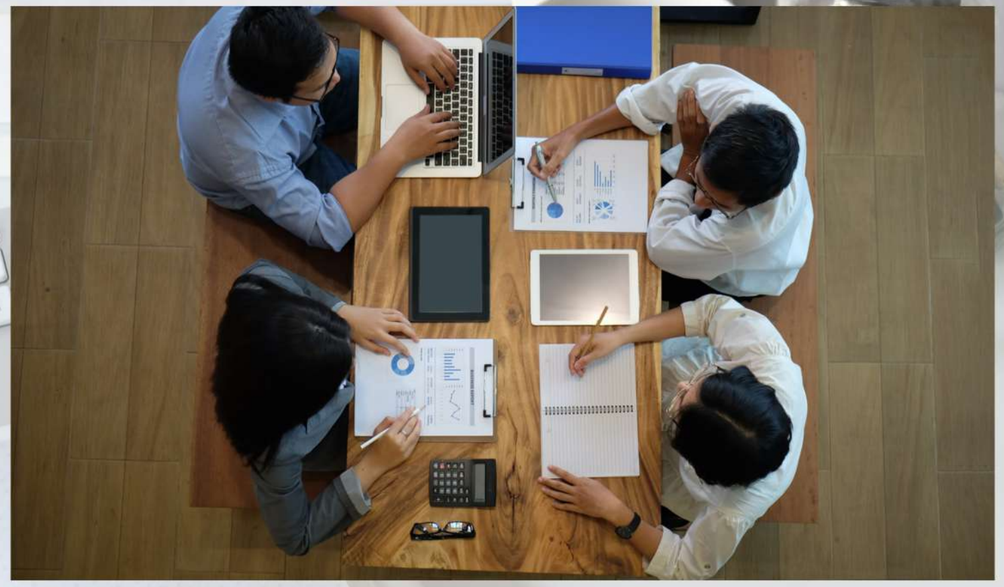


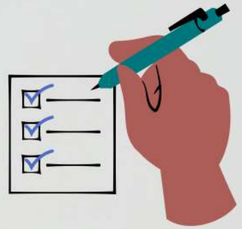
ABOUT US

This project revolves around the analysis of the cost of living in various cities and countries across the globe. The dataset used for this analysis encompasses a wide range of economic indicators, from the price of basic commodities to the cost of housing, transportation, and even entertainment. By harnessing the power of Power BI, we aim to gain valuable insights into the economic disparities between different regions and understand the factors that contribute to the varying costs of living. This project serves as an exercise in data visualization, analysis, and interpretation, offering a comprehensive view of the world's economic landscape

COMPARATIVE ANALYSIS

TREND ANALYSIS

CATEGORY BREAKDOWN

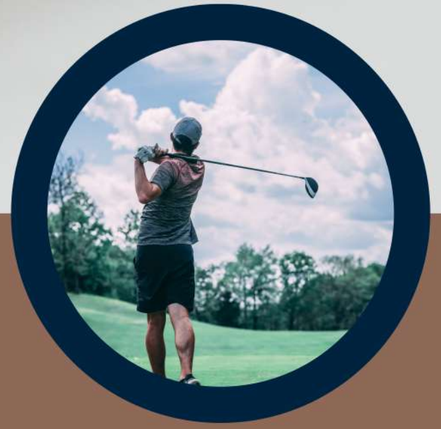


USER CUSTOMIZATION

KEY OBJECTIVES


OUR
PROJECT

DATASET



The dataset utilized in this project is sourced from Numbeo, a collaborative online database that provides cost of living information worldwide. It contains 56 columns, including information about cities, countries, and a wide array of cost-related variables, ranging from grocery prices to real estate costs. The dataset is designed to offer a comprehensive view of the economic aspects of various locations, making it a valuable resource for conducting cost of living analyses.

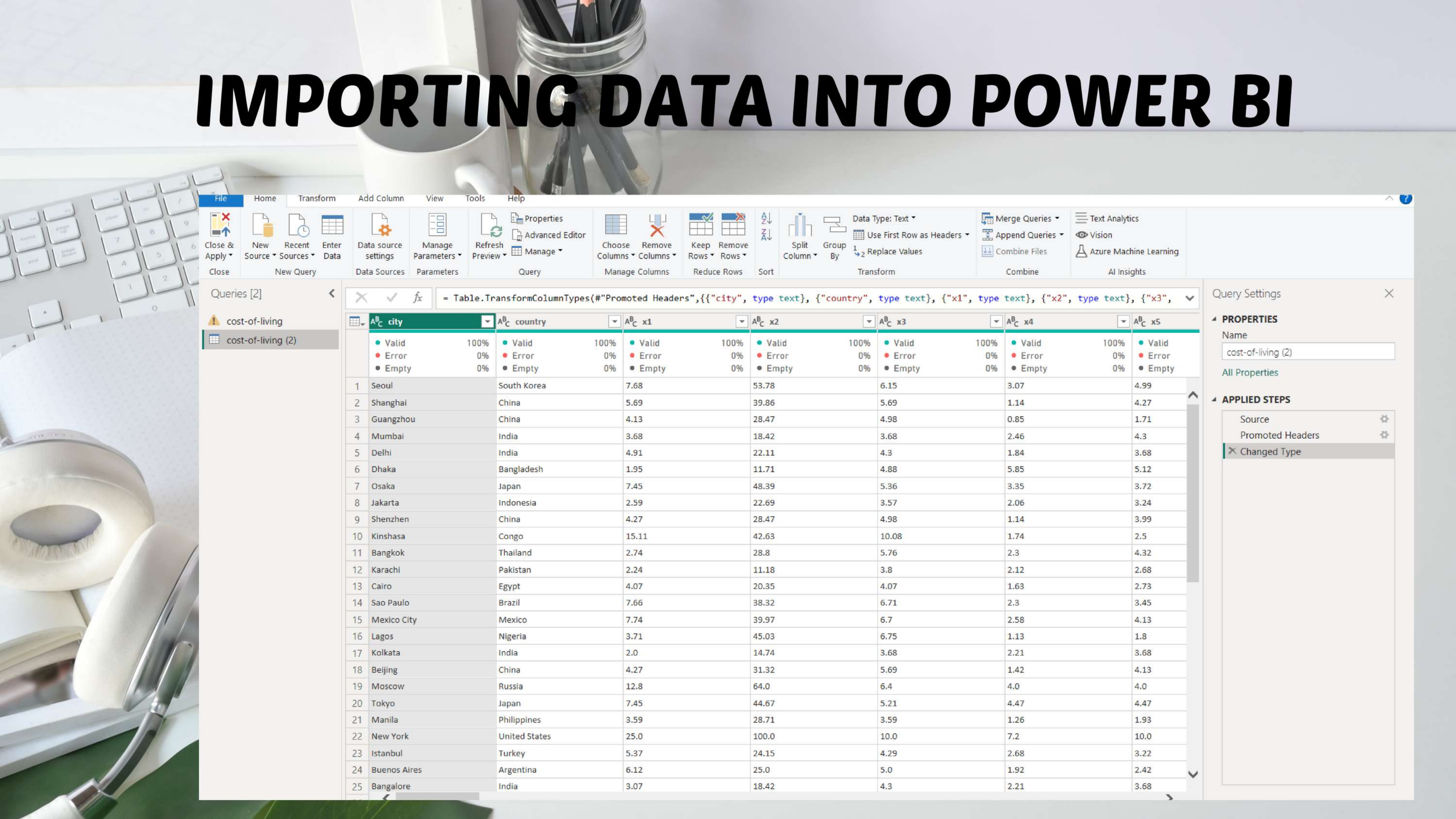
PROBLEM STATEMENT

- What are the cities and countries with the highest and lowest costs of living?
- Are there any trends or patterns in the data that can help individuals and organizations make strategic decisions?

PROBLEM STATEMENT

- How do factors like average salary, housing costs, and transportation expenses correlate with the cost of living?
- What are the major cost components contributing to the overall cost of living in a region?

IMPORTING DATA INTO POWER BI



	city	country	x1	x2	x3	x4	x5
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid Error Empty
1	Seoul	South Korea	7.68	53.78	6.15	3.07	4.99
2	Shanghai	China	5.69	39.86	5.69	1.14	4.27
3	Guangzhou	China	4.13	28.47	4.98	0.85	1.71
4	Mumbai	India	3.68	18.42	3.68	2.46	4.3
5	Delhi	India	4.91	22.11	4.3	1.84	3.68
6	Dhaka	Bangladesh	1.95	11.71	4.88	5.85	5.12
7	Osaka	Japan	7.45	48.39	5.36	3.35	3.72
8	Jakarta	Indonesia	2.59	22.69	3.57	2.06	3.24
9	Shenzhen	China	4.27	28.47	4.98	1.14	3.99
10	Kinshasa	Congo	15.11	42.63	10.08	1.74	2.5
11	Bangkok	Thailand	2.74	28.8	5.76	2.3	4.32
12	Karachi	Pakistan	2.24	11.18	3.8	2.12	2.68
13	Cairo	Egypt	4.07	20.35	4.07	1.63	2.73
14	Sao Paulo	Brazil	7.66	38.32	6.71	2.3	3.45
15	Mexico City	Mexico	7.74	39.97	6.7	2.58	4.13
16	Lagos	Nigeria	3.71	45.03	6.75	1.13	1.8
17	Kolkata	India	2.0	14.74	3.68	2.21	3.68
18	Beijing	China	4.27	31.32	5.69	1.42	4.13
19	Moscow	Russia	12.8	64.0	6.4	4.0	4.0
20	Tokyo	Japan	7.45	44.67	5.21	4.47	4.47
21	Manila	Philippines	3.59	28.71	3.59	1.26	1.93
22	New York	United States	25.0	100.0	10.0	7.2	10.0
23	Istanbul	Turkey	5.37	24.15	4.29	2.68	3.22
24	Buenos Aires	Argentina	6.12	25.0	5.0	1.92	2.42
25	Bangalore	India	3.07	18.42	4.3	2.21	3.68

POWER BI DASHBOARD

COST OF LIVING DASHBOARD

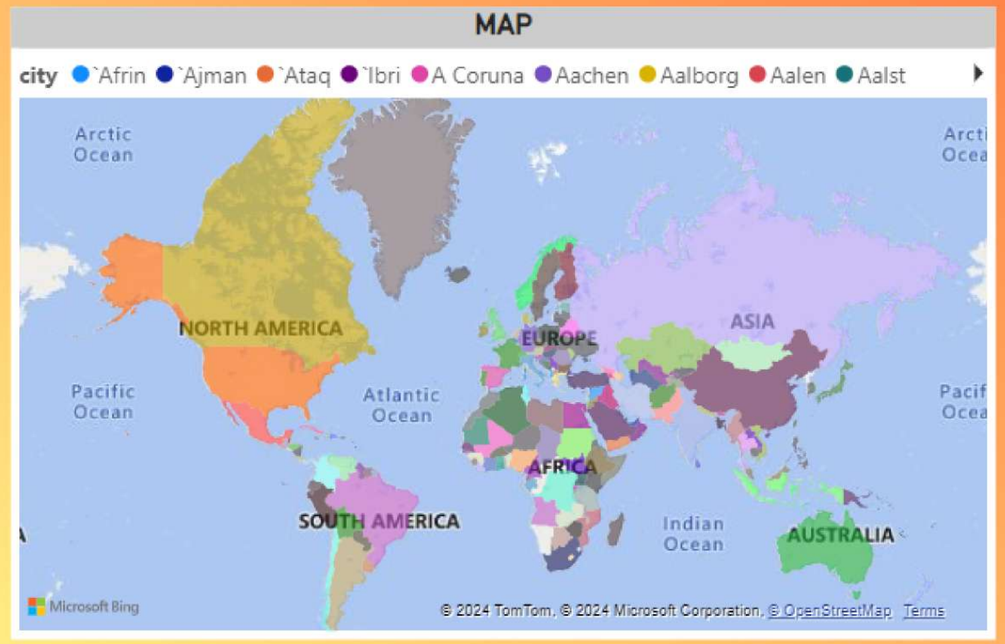
Count of city

4,898

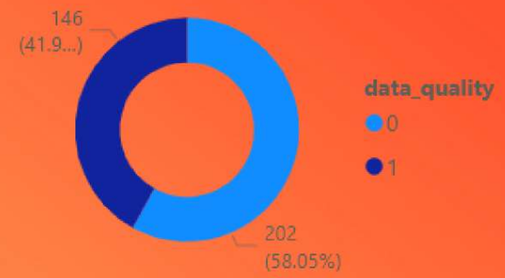
Count of country

215

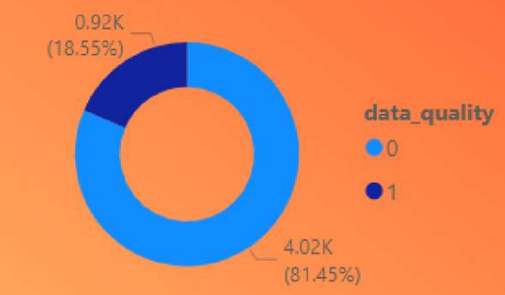
MAP



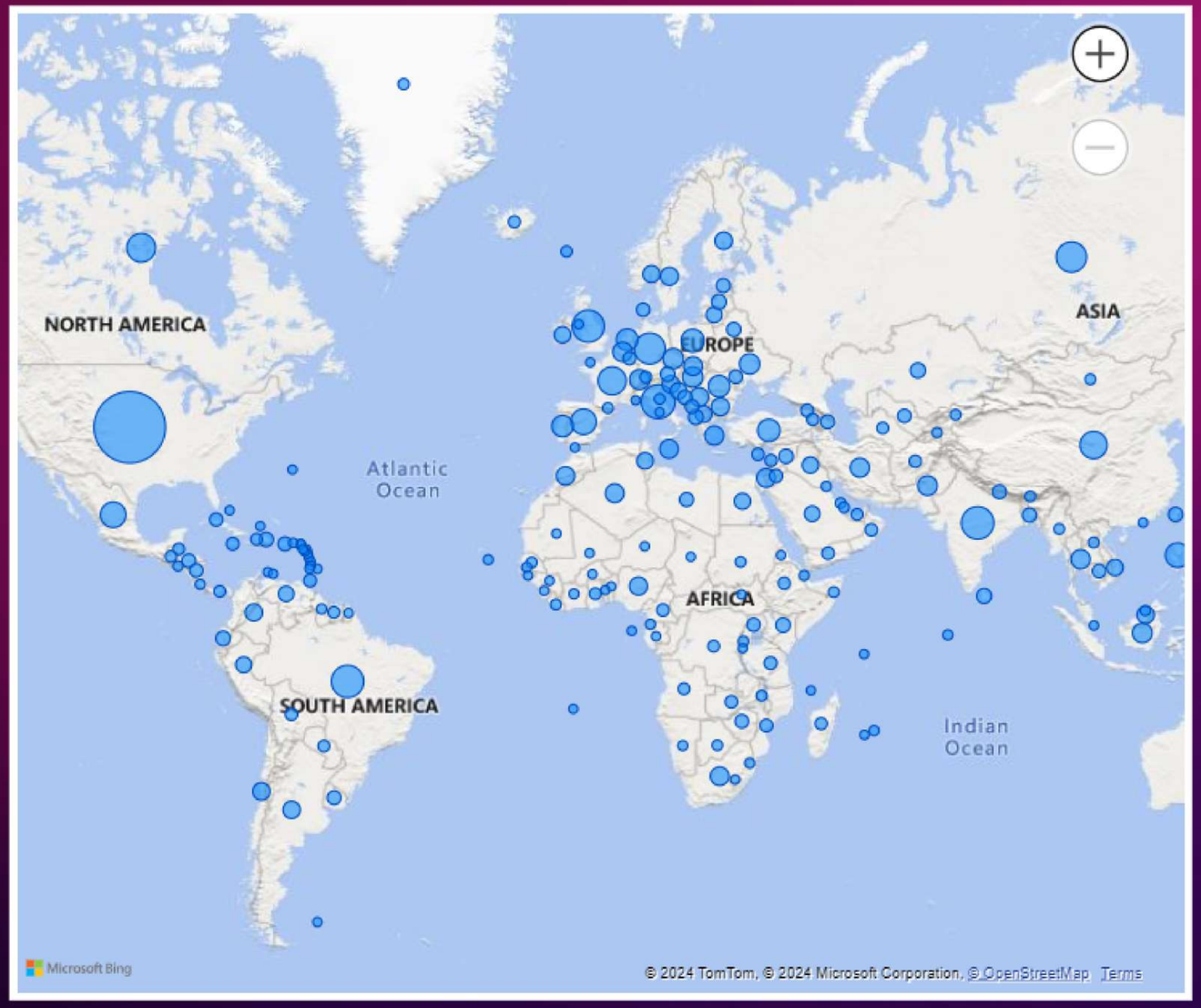
Country by data_quality

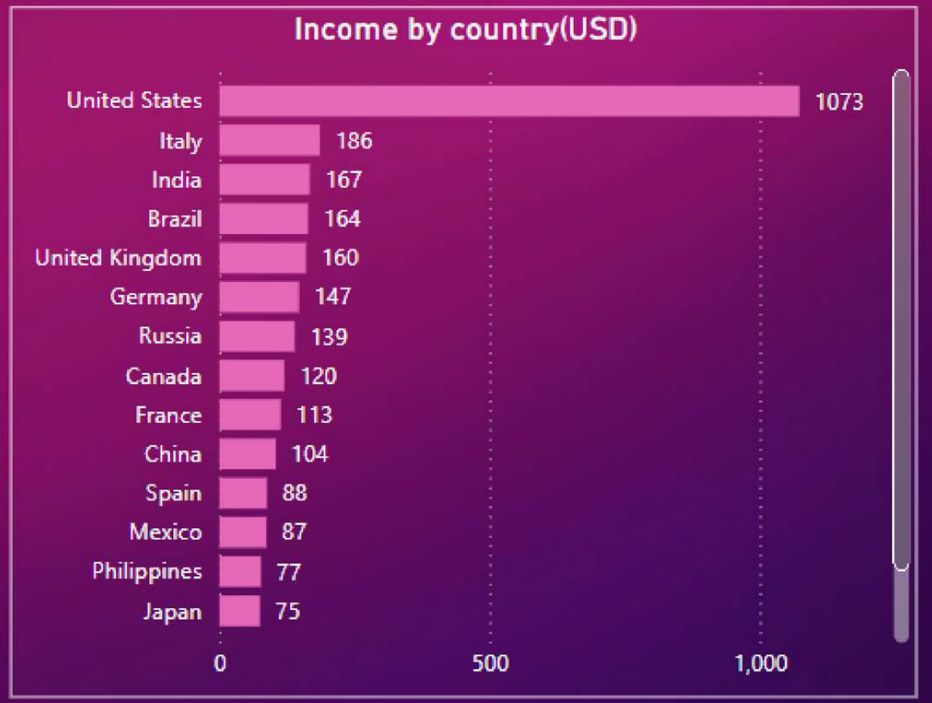


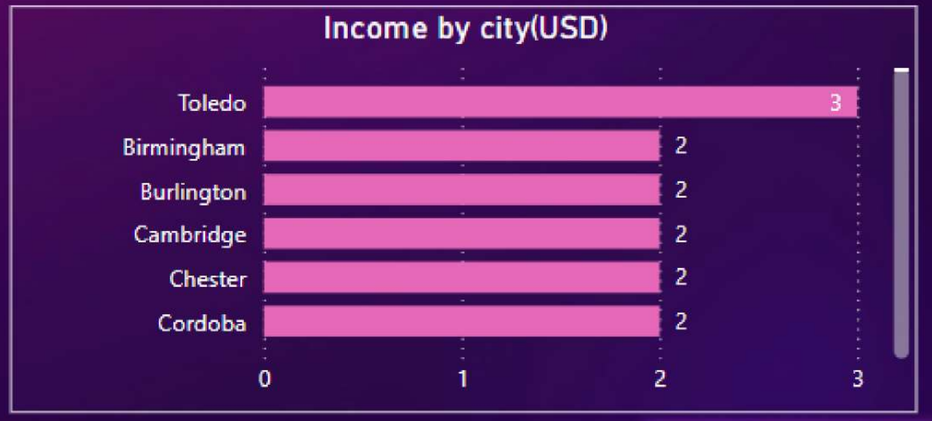
City by data_quality



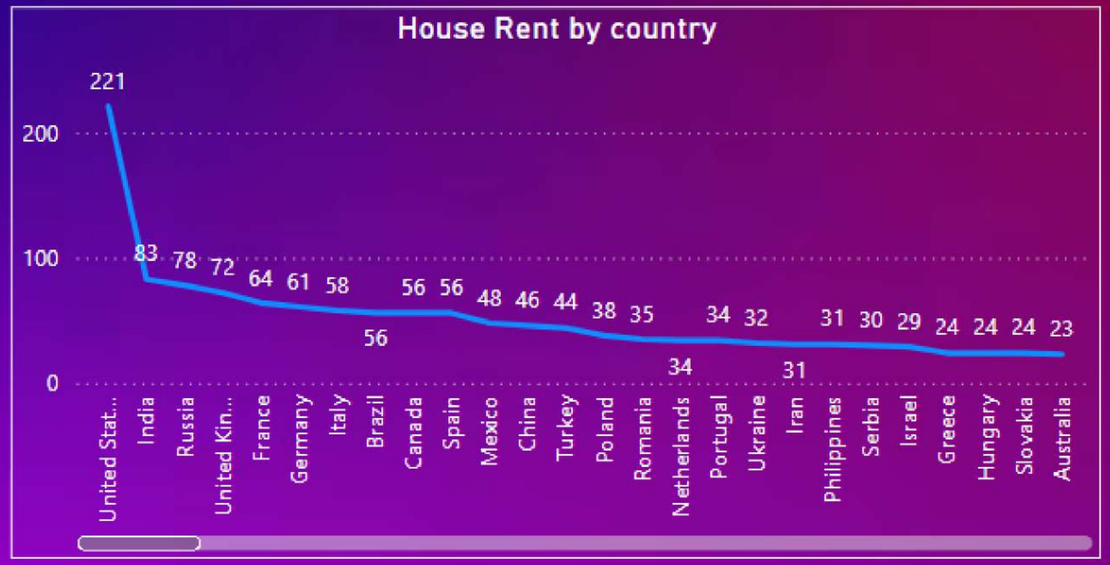
GEOGRAPHICAL INSIGHTS

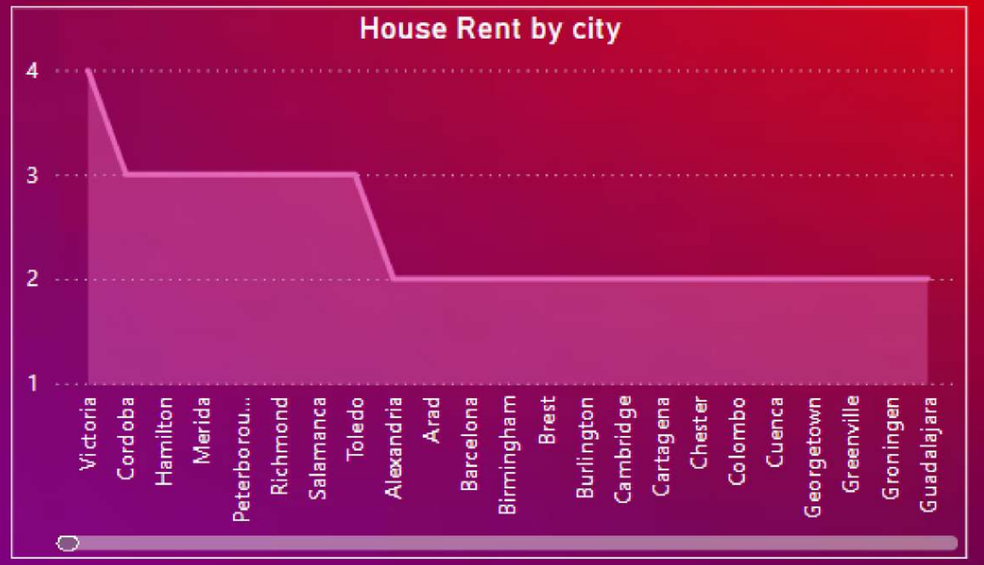


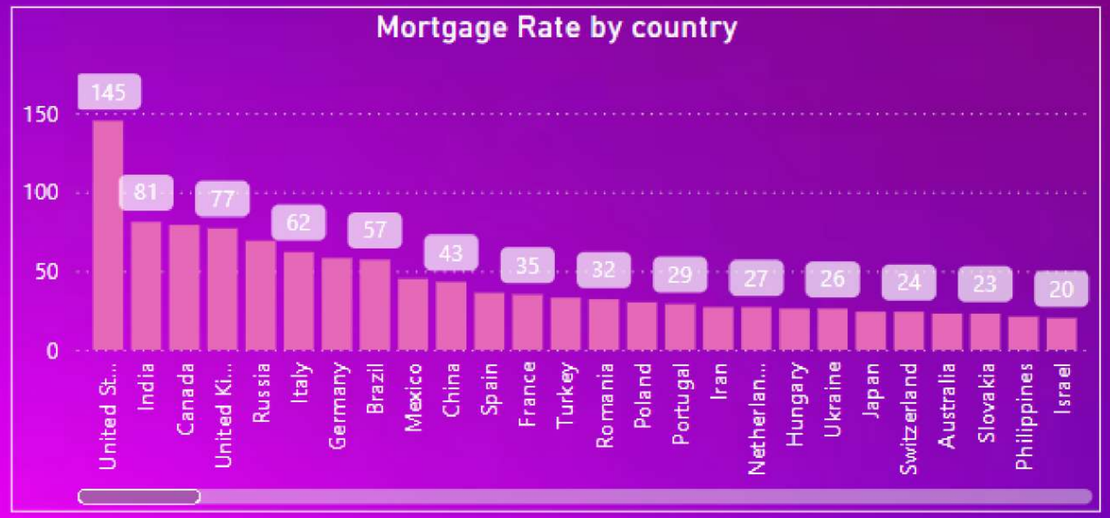


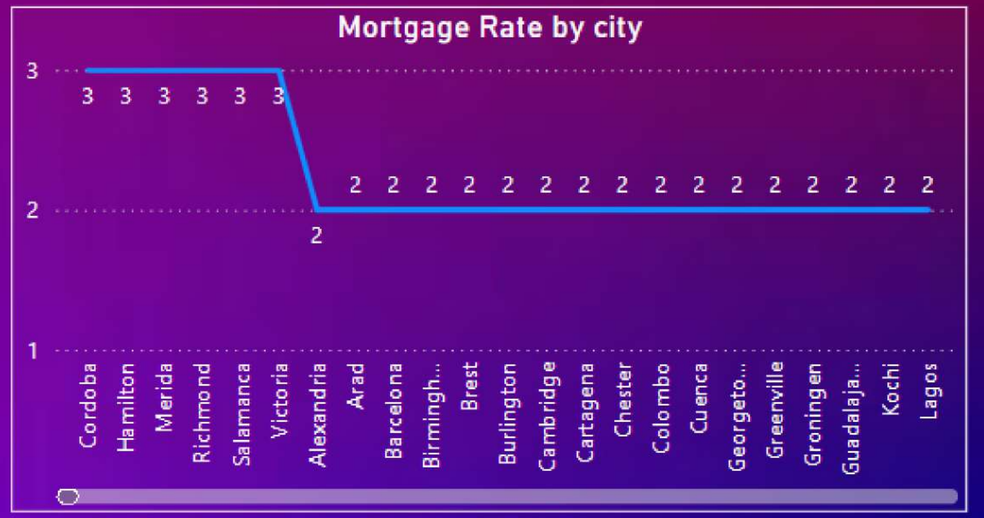


PROPERTY RATE IN GEOGRAPHICAL VIEW

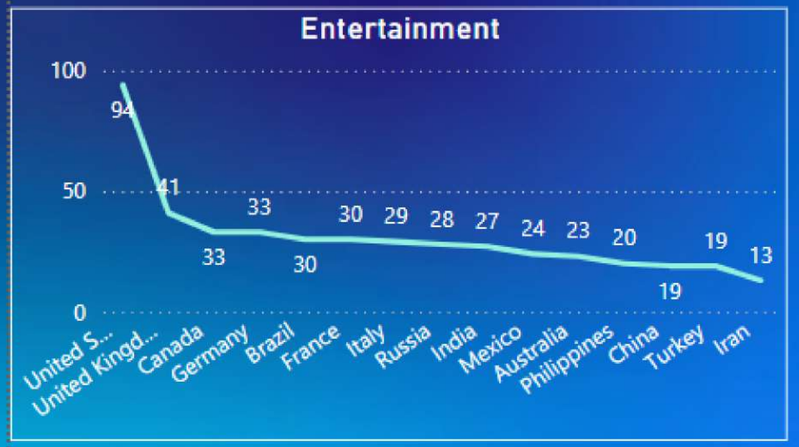


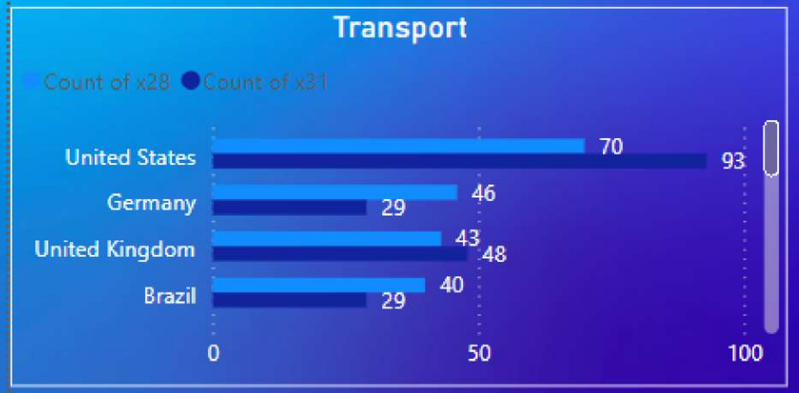


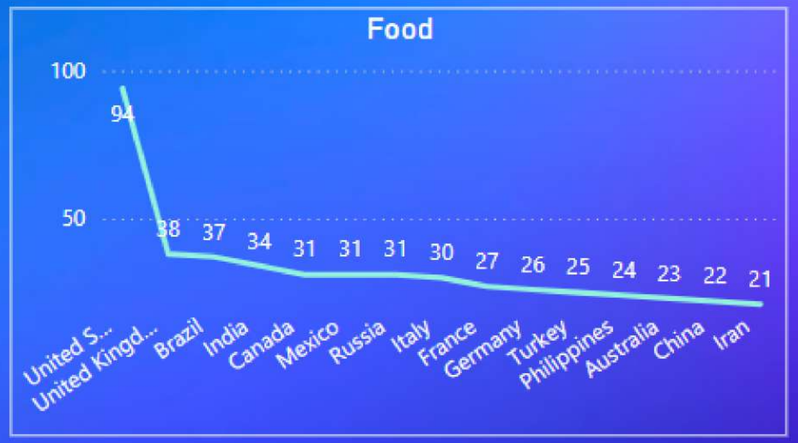


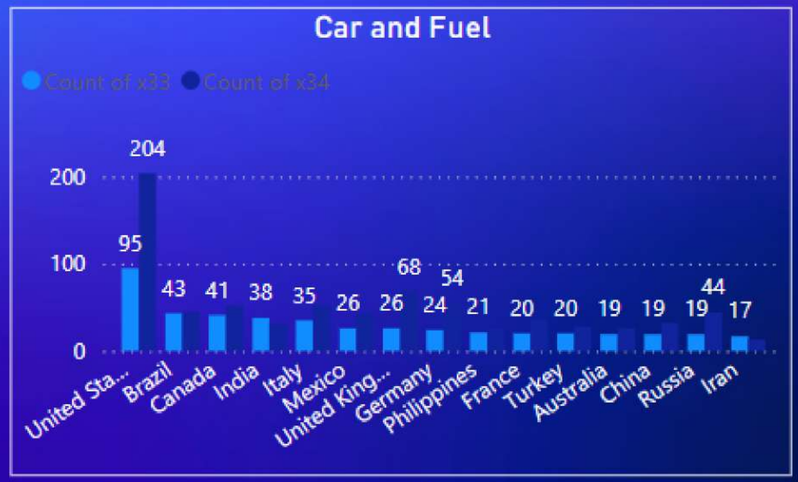


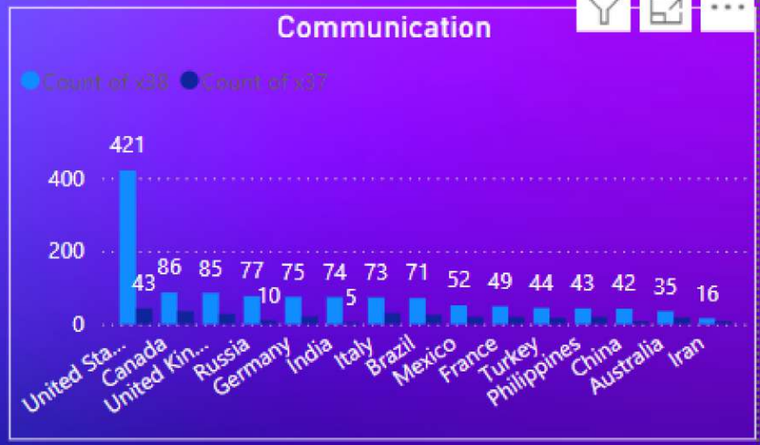
PRICING TRENDS

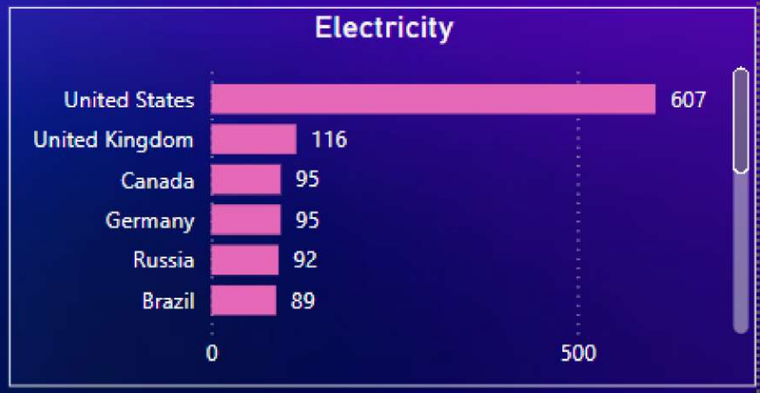












TESTIMONIAL

- Data preprocessing and cleaning techniques.
- Creating interactive data visualizations with Power BI.
- Conducting EDA to extract insights.
- Drawing meaningful conclusions from dataset.
- Communicating findings effectively through data visualization and interpretation.

CONCLUSION

In this cost of living analysis project, we utilized Power BI to visually explore and understand the geographical variations in living expenses across different cities and countries. By leveraging interactive maps and visualizations, we identified key trends and disparities in costs such as housing, groceries, and restaurant prices. This analysis provides valuable insights for individuals considering relocation and for policymakers aiming to address cost-of-living challenges. Our findings underscore the importance of location-based data in making informed economic and personal decisions.

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Github

THANK YOU