COMPARATIVE DATA VISUALIZATION BETWEEN FRANCE AND LATVIA

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Data analysis and visualization techniques are crucial for making effective decisions in modern environments. This research project seeks to compare: cultural and societal dynamics, philanthropy and volunteerism, and environmental factors in France and Latvia using data from sources, sophisticated data analysis and visualization tools.

This study aims to provide a thorough comparison between France and Latvia in specific sectors, emphasizing important similarities and differences. Dashboards and visuals created through Power BI allow stakeholders to easily explore and comprehend data. The analysis results in insights and recommendations that are meant to guide decision-making in pertinent areas.

The process of research involves detailed gathering of data from sources like the World Bank (The World Bank, 2024), Eurostat, The Central Statistical Bureau of Latvia (CSB, 2024), and INSEE France to maintain the trustworthiness and precision of the datasets. By using Power Query, we perform tasks like eliminating duplicates, managing missing data, and ensuring data consistency to prepare datasets for analysis. During model selection, different methodologies and approaches are examined to identify the optimal model for achieving desired outcomes in a efficient and effective manner. This process takes into account factors like speed, accuracy, interpretability, and scalability of the models.

The method of analytical includes utilizing descriptive statistics, exploratory data analysis (EDA), and possibly predictive modeling methods to discover trends, patterns, and insights within the datasets. Visual representations such as charts, graphs, and maps will be used to efficiently communicate discoveries and understanding.

This summary highlights the significance of thorough data collection, cleansing, model choice, and analysis approach in carrying out comparative research studies. It recognizes the use of advanced tools such as Power BI (Addepto, 2018) as a tool for achieving a goal rather than the main focus of the study, and emphasizes the technical aspects of the research process.

The research is supervised by Dr.sc.ing., Professor Nadezda Spiridovska

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