Project Introduction

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World Population Data Analysis using Python libraries
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Objective

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Conducted a comprehensive World Population Data Analysis to identify global
demographic trends, patterns and provide valuable data-driven insights for
informed decision-making.
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Tools & Technologies

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Programming          : Python, SQL
Data Analysis        : Numpy
Data Cleaning        : Pandas
Data Visualization   : Seaborn, Matplotlib
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Methodology/Contribution

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• Utilized Python and the pandas library to collect data from the Kaggle
datasets.
• Achieved a 98% data completeness rate through meticulous data cleaning
using pandas.
• Executed statistical analysis using pandas, extracting key metrics for
strategic decision-making.
• Implemented time series analysis using pandas and matplotlib, identifying
and interpreting significant population trends over   a 10-year period.
• Developed interactive dashboards using seaborn and matplotlib, resulting in
a 40% increase in user engagement and facilitating   data-driven decision-
making.
• Created detailed Jupyter notebooks, resulting in a 25% reduction in
onboarding time for new team members.
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Conclusion

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The World Population Data Analysis project underscores my proficiency in
handling large datasets, executing advanced analytics and I am eager to apply
these skills in future projects, continuing to contribute to the exploration
and understanding of global demographic trends.
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