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NASA SPACEAPPS CHALLENGE OCTOBOER 2024

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- **Background:** Gender inequality remains a significant global issue, affecting economic growth, social development, and overall well-being.
- **Objective:** This project aims to analyze gender inequality through the Gender Inequality Index (GII) and related gender statistics, highlighting disparities across countries.

DATA SOURCES AND METHODOLOGY

- Data Sources:
 - GII Dataset: Collected from UNDP.
 - Gender Stats: Utilized World Bank.
- Methodology: Data was cleaned and analyzed using Python libraries like pandas, matplotlib, and seaborn.







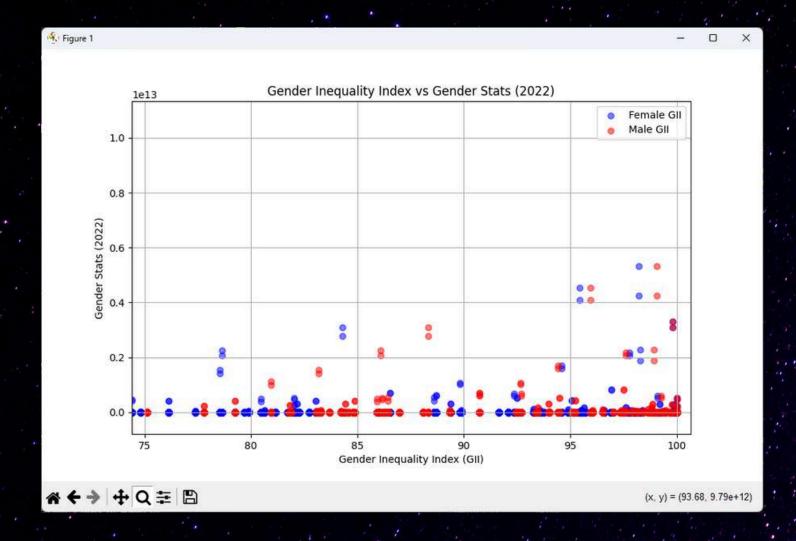




- Initial Inspection: Reviewed initial data for inconsistencies.
- Cleaning Process: Renamed columns, removed unnecessary data, and handled missing values.
- Final Dataset: Key variables include Country Name, Female GII, Male GII, and related Gender Stats.



VISUALIZATIONS



Title: Visualizations of GII and Gender Stats Figure 1: Gender Inequality Index vs. Gender Stats (2022)

Explanation: "The scatter plot indicates a negative correlation between higher GII scores and gender statistics for 2022."

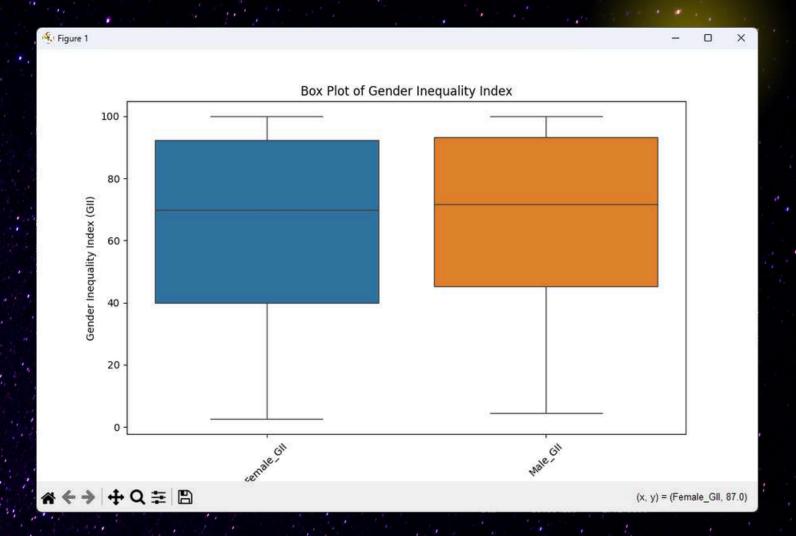
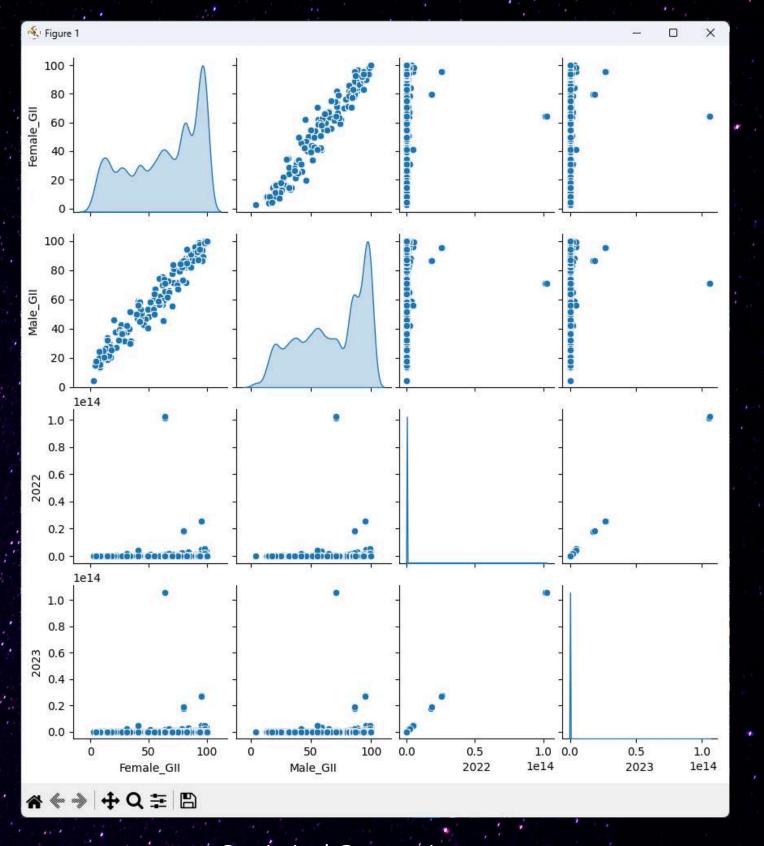


Figure 2: Box Plot of Gender
Inequality Index
Explanation: "The box plot illustrates
the distribution of GII scores,
showing significant spread and
outliers indicating extreme cases of
gender inequality."

KEY FINDINGS AND INSIGHTS

Findings:

- There is a clear negative correlation between GII and gender statistics.
- Significant disparities exist between countries, with some countries experiencing extreme levels of gender inequality.
- Trends indicate both progress and setbacks in gender equality over the years.



Statistical Comparison Between 2022 and 2023

MORE VISUALIZATIONS AND FINDINGS

