Proposal:
Investigating Gender Disparities Using the Gender Inequality Index

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Abstract

1 Problem Description:

Gender inequality remains a pressing issue globally, affecting various aspects of individuals lives, including access to education, healthcare, political representation, and economic opportunities [1, 2]. Understanding the extent and drivers of gender disparities is crucial for promoting gender equality and fostering inclusive societies [3]. This proposal seeks to explore gender disparities using Gender Inequality Index (GII) as a lens to examine the multifaceted nature of gender inequality across different societies.

2 Research Question:

How does the Gender Inequality Index capture and quantify gender disparities across different dimensions, and what are the underlying factors contributing to variation in gender inequality among societies?

3 Hypothesis:

We hypothesize that the Gender Inequality Index (GII) serves as an effective tool for quantifying and comparing gender disparities across societies, capturing dimensions such as reproductive health, empowerment, and economic participation. We anticipate that variations in the GII among societies are influenced by a complex interplay of socio-cultural norms, institutional structures, and levels of economic development. Through comprehensive analysis of the GII dataset, we aim to identify the primary determinants driving gender inequality and understand the mechanisms through which they operate in different societal contexts.

4 Dataset Source:

We propose to utilise the "Gender Inequality Index - Measuring Gender Disparities Across Societies" [4] dataset, which is available at Kaggle [5] , and United Nations Development

Programme (UNPD).This dataset provides a composite measure of gender disparities, incorporating indicators related to reproductive health, empowerment, and economic participation.Leveraging the GII dataset will enable us to conduct cross-country comparisons and identify patterns and trends in gender inequality.

5 Peer Feedback:

Sri Karthik Senegavaram.

The proposal adeptly tackles gender inequality, articulating a concise research question and hypothesis. Utilizing the Gender Inequality Index dataset from reputable sources bolsters the study's credibility. However, further elaboration on planned data analysis methodologies would enhance the proposal's robustness. Addressing potential limitations and ethical considerations would enrich the proposal's completeness. Overall, it presents a promising framework for investigating gender disparities, meriting further development.

References

[1] A. Sen, "Many faces of gender inequality," 2001.

[2] U. Nations, "Gender inequality index." https://hdr.undp.org/data-center/thematiccomposite-indices/gender-inequality-index/indicies/GII, Feb 2024.

[3] A. Gaye, J. Klugman, M. Kovacevic, S. Twigg, E. Zambrano, *et al.*, "Measuring key disparities in human development: The gender inequality index," *Human development research paper*, vol. 46, no. 10, 2010.

[4] G.-M. Petras,cu, "Gender inequality index - measuring gender disparities across societies." https://www.kaggle.com/datasets/gianinamariapetrascu/gender-inequality-index, 2023.

[5] "Kaggle." https://www.kaggle.com.