Chan Kim
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PROJECT PROPOSAL

We will be working with numerical observational economic data collected and provided by reliable resources such as the World Bank, International Monetary Fund, and the United Nations. These international governing bodies are subject matter experts on the topics of international economics, wealth distribution, and poverty levels. We will be working with the selected data to examine the relationship between wealth and poverty in a selection of countries, regions, and globally to identify any correlation or causation between the wealthy and poor on a local, regional and international level. This topic is of high interest to use, as it can help clear misconceptions and provide a qualitative unbiased clarity regarding the disparity in wealth and its effect on poverty levels. Our curiosity is driven by assumptions of correlation between wealth and poverty levels based on geographical, political, and cultural drivers that might explain why some areas have a positive versus negative correlation between increases in levels of wealth or poverty among the local, regional, and global demographics. While this is not a new topic of research, in our research, we will aim to identify any possible influencers and errors that could affect our work. We believe that our work will be utilizing coding in Python and R while utilizing concepts of hypothesis testing, z-statistic, t-statistic, and possibly f-statistic to identify correlations. Furthermore, we will be utilizing some of the skillsets we have acquired in economics, statistics, and computer science to drive our process of data manipulation, presentation, and storytelling of the research findings. In conclusion, we hope that our research will provide clarity on where wealth-gap mitigation is best managed for further future research on the drivers of the successes.