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| Project one  tracing Socioeconomic flow  The symbiotic link between Human Society and the Market Economy |
| GWU Data Analytics / Visualization BC Team HTTP: |



## HTTP: team Project One, proposal (1):

## Title:

Tracing Socioeconomic Flow: The symbiotic link between Human Society and the Market Economy

## Concept:

We plan to merge and analyze data from multiple sources into a layered timeline reflecting major events and situations which effected local and global markets, wealth and prosperity. For this purpose, “situations” will range widely across topics such as natural disasters and politics (elections, protest, foreign policy, war, terrorism) to the current Covid-19 pandemic. The scope will be primarily limited by the veracity of data and practicably to employ it during the project window.

## Hypothesis:

A timeline can be built to show direct or indirect correlation between “situations” and growth/decline in market value across related sectors of the economy (local or global), projections for change or identification of key indicators may emerge as patterns between datasets align or oppose across the timeline.

## Proposed sources:

Data.gov (census data, state, federal, local gov records)

CDC.gov (national death rates, causes of death, rates of infectious disease)

Kaggle.com (access point, to source data)

Etc…

## Challenges and limitations:

Dataset size or format may preclude effective use.

Data may require more cleaning/formatting than practicable in the project window.

Data may not be available that aligns with other datasets

Etc…