Global Inflation Trends: Mapping Global Inflation Rates

Messaging

Inflation can have significant effects on economies, including widening the gap of income distribution between middle class and top class, resulting in significant price increases for all products. By measuring inflation, we can help understand more about how that will impact the country's GDP growth.

Narrative Structure

The visualization utilizes the martini glass structure, with the top level showing a global overview of inflation rates. I used the martini glass structure because it allows users to explore the data freely, on specific data points. It is easier to convey how inflation creates social and economic impacts for everyone, while also allowing users to discover new insights.

Visual Structure

Each scene has its own unique story, and it is easy to navigate between scenes seamlessly. The inflation category can help users understand the range of how inflation could impact each region. For example, we can see that there was high inflation in South America and Africa during the 20th century due to unstable governments, weak monetary policies, and excessive spending on non-priority bills.

Scenes

There are two scenes for this project. First, there was an overview followed by a map table with inflation data from 1960 - 2022, and the second scene allows users the freedom to explore by (filtering, hovering and clicking).

Annotation

The annotation in the visualization remains consistent throughout, with inflation category colors . Tooltips were used as annotation in the geography map, when the user moves the mouseover the annotation will display additional information of the country.

Parameters

Users can also interact with the dashboard by selecting different years. This allows them to see how inflation rates have changed over time, and identify any patterns between countries. The on click also allows users to select specific countries and GDP rates, for example, users can select the year 2020 to see how inflation rates were affected by the COVID-19 pandemic. This can help us to understand the impact of the pandemic on the global economy.

Triggers

The interactive narrative visualization presented in this essay allows users to click on individual countries to access more detailed data on their inflation rates. This interactive feature allows users to drill down into specific countries of interest, gaining deeper insights into their unique economic data. The triggers are used in various ways such as "mouseover", "mouseout" and "click". When a specific element was selected the callback function that was assigned to that

event will perform a designated task. For example, by clicking on the United States, users can see that the country's GDP is steadily increasing and so is the inflation rate. This can be attributed to a number of factors, including the COVID-19 pandemic, supply chain disruptions, and the war in Ukraine. The user can see more detailed information from the table on the right.