**Project 1 Proposal**: Climate Change and Global Temperatures

**Project members:** Clarissa Nunez, DJ Dimetros, Jacob Klucher, Toni Makakoa, Mohamoud Jama

**Project description:** This project aims to visualize the impact of climate change on global temperatures, sea level rise, and weather patterns. We will create interactive and informative visualizations that communicate complex climate patterns and insights to answer the following questions: How have sea levels risen over time? And how has extreme weather events changed in frequency and intensity? Using a series of maps or charts showing the frequency and intensity of hurricanes, droughts, floods, and heatwaves can be used to answer these questions. A line chart or a map showing the rate of sea level rise in different regions can be used to visualize this.

**Datasets to be used:**

National Oceanic and Atmospheric Administration (NOAA) <https://www.noaa.gov/>

NASA's Goddard Institute for Space Studies (GISS): <https://science.nasa.gov/climate-change/>

Sea level trends: <https://tidesandcurrents.noaa.gov/sltrends/sltrends.html>

**Assignments:**

Research and find appropriate data sets on changes in sea levels: *Mohamoud,*

Research and find appropriate data sets on extreme weather events changed frequency and intensity: Jacob, Clarissa

Research and find appropriate data sets on changes in global temperatures: *Dj, Toni*