DATA 607 FINAL PROJECT PROPOSAL
Climate Change – Where are We?

Climate Change is by far the hottest concept around the world today. We can no longer afford to describe this phenomenon as a topic for discussion. While scientists continue to explore climate change and its effects, their research shows that we are experiencing the beginning effects of it and we could be close to if not too late to be reversing these effects on us, our way of life and the future of earth. Globally, 2020 was the hottest year on record, effectively tying 2016, the previous record. Overall, Earth's average temperature has risen more than 2 degrees Fahrenheit since the 1880s.

Our project will examine climate change from the following perspective. We will provide data analysis on trending climate change topics from social media such as twitter and google trends. We will use API (application Programming Interface) calls to the Library of congress to research the US Congress's work on climate change. We will seek out quantitative data in csv, json, and/or MySQL formats to support or not support the qualitative arguments being made on the global front. We will use linear modeling and regression techniques on available data to predict possible changes in real world consequences of climate change such as sea level rise, beach erosion and increased instance of severe weather pattern.

<u>Team members</u>

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