

## Global Trends in Temperature Change

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## Introduction

For this project, I wanted to get a better idea of the global trends in climate change and how they impact different people around the world.

These trends may be useful in informing both future action on climate change, as well as efforts to mitigate the negative outcomes of climate change

## **Global Trends in Climate Change** Global Temperature Change Average +/- One Standard Deviation Y2019

The above figure shows the yearly temperature change compared to the average temperature form 1951-1980 along with a shaded region corresponding to a 1σ deviation from the mean.

There is a clear upward trend globally, with the average global temperature anomaly for the year 2019 at nearly +1.5 degrees Celsius.

In the figure on the right, 2019 temperature anomaly vs absolute value of latitude is plotted along with a trend line, showing a slight positive correlation.

This indicates that counties further from the equator tend to experience more temperature change.









