**Project Title**

"The Projected Effects of Global Climate Change”

**Team Members**

* Tanzeania Saylor
* Abhiniti Mahendrakar
* Solanda Dufresne
* Julie Winkle

**Project Description/Outline**

Global warming is a prevalent phenomenon that is affecting all the inhabitants of planet Earth. Data has been and is being captured over time the reflect changes on Earth which could suggest any possible correlations.

**Research Questions to Answer**

* What effects does global warming have on the world and to what extent?
* Are human activities affecting global warming?
* Are extreme weather events (droughts, heat waves, hurricanes, etc.) related to global warming?

**Rough Breakdown of Tasks**

* Time series on Land Surface air temperatures / Global mean temperature change

Data sets: <https://climate.nasa.gov/vital-signs/global-temperature/>

* Time series on Sea Surface temperatures / Global mean temperature change

Data sets: <http://berkeleyearth.lbl.gov/auto/Global/Land_and_Ocean_complete.txt>

* Time series on carbon dioxide.

Data sets: <https://climate.nasa.gov/vital-signs/carbon-dioxide/>

<https://datahub.io/core/co2-fossil-global#python>

<http://cdiac.ess-dive.lbl.gov/trends/emis/tre_coun.html>

* Antarctica, Greenland and Arctic Sea Ice mass variation over time.

Data sets: <ftp://podaac.jpl.nasa.gov/allData/tellus/L3/mascon/RL05/JPL/CRI/mass_variability_time_series/>

<https://climate.nasa.gov/vital-signs/arctic-sea-ice/>

* Time series of Global Capture Production

Data set: <http://www.fao.org/fishery/statistics/global-capture-production/en>

* Time series on Sea level

<https://climate.nasa.gov/vital-signs/sea-level/>

* Air temperatures vs. population density.  
  Data set: <https://data.world/data-society/global-climate-change-data/workspace/project-summary>
* Air quality vs. population density.

Data set: Air\_Quality\_Measures\_on\_the\_National\_Environmental\_Health\_Tracking\_Network.csv – <https://catalog.data.gov/dataset/air-quality-measures-on-the-national-environmental-health-tracking-network>