

# DS4A / Empowerment: Project Description

Team 39: Manas Ramesh, Cheon il Allado, Zander Sargeant, Elliott Yoon, Colin Senat, Jotham Kriakos

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The problem that we plan to explore is the deforestation and its industrial and environmental impacts/causes. More specifically, we wish to draw connections between deforestation in a global scene and the economic and environmental context that surrounds it throughout time.

Forests are very important for the survival of animals. Deforestation contributes to the addition of greenhouse gasses to the atmosphere and further increases soil erosion. Forests also provide air for us to breathe in, and it is key to prevent climate change. We want to identify a correlation between deforestation and negative aspects of society to make the argument that deforestation should be stopped. These negative aspects could probably include economic loss, health issues, or displacement for various communities.

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## Some datasets we plan to explore:

<https://www.kaggle.com/chiticariucristian/deforestation-and-forest-loss> - measures deforestation throughout each country throughout time

<https://www.kaggle.com/worldbank/world-development-indicators> - measures industrial and economic change throughout time

[https://data.globalforestwatch.org/datasets/4160f715e12d46a98c989bde7e5f4d6\\_1?geometry=-83.132%2C-13.831%2C-34.661%2C1.413](https://data.globalforestwatch.org/datasets/4160f715e12d46a98c989bde7e5f4d6_1?geometry=-83.132%2C-13.831%2C-34.661%2C1.413)

[https://rainforests.mongabay.com/deforestation\\_alpha.html](https://rainforests.mongabay.com/deforestation_alpha.html)

[Global Deforestation Rates & Statistics by Country | GFW \(globalforestwatch.org\)](#) - States deforestation levels per region and specific causes of the deforestation in that particular area

<https://ourworldindata.org/deforestation>

<https://aqicn.org/publishingdata/> - data on global air quality measurements per geographic location

<https://data.world/datasets/environment> - good use for overall environment data

<https://data.world/makeovermonday/2018w17-ecological-footprint-per-capita> - 2018 data for footprint per capita

<https://www.epa.gov/outdoor-air-quality-data> - data on air quality across US per day per year

<https://www.worldclim.org/> - data on the global climate

**Additional ideas to chew on: Long term economic gain vs short term economic gain by using climate in a certain region- idea by TA Mansi.**