**Team Roo**

**Deforestation and Rainfall Analysis**

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**Hypothesis:**

Ho: Deforestation increases atmospheric pressure; as a result, the average yearly/seasonal rainfall in and around the area of deforestation decreases.

HA: Deforestation has no effect on atmospheric pressure or the average yearly/seasonal rainfall in and around the area of deforestation.

**Datasets:**

* Kaggle APIs
  + Deforestation data and reduced rainfall on soy farms
* Weather APIs
  + Get current rainfall data.
  + Get historical rainfall data.
  + Atmospheric Pressure data
* Global Forest Watch REST API
  + Forest Change Measures
    - Cover loss.
    - Cover gain.
    - Disturbances

**Tasks:**

* Collect data from reputable databases.
* Clean up data to extract data needed to analyze and tell a story.
* Outline of the analysis
* Run customized and pre-built (imported python libraries) algorithms to analyze the cleaned data set.
* Visualize data with appropriate graphs and charts.
* Use statistical modeling to find if there are correlations between the three datasets.
* Tell the story