Analysis of Desert Botanical Garden’s Historical Saguaro Dataset

Data:

Desert Botanical Garden’s longitudinal saguaro inventory dataset

Questions:

Is saguaro mortality rate related to historical weather factors?

Mortality Rate vs. Historical Climate

Is growth rate related to historical weather factors?

Growth vs. Historical Climate

Tasks:

Oversee versioning (Michael)

Obtain dataset

Mask saguaros sufficiently and write license/citation instructions before they are made public on GiHub (Veronica)

Reformat and clean up dataset (Steven)

Specify research questions in detail (Michael and Veronica)

API’s (Steve)Analyze data

Interpret results (Michael and Veronica)

Write report

Intro-Veronica

Description of analysis

Results

Conclusion-Veronica

Create PowerPoint presentation

Deadlines:

Saturday – Create fake data

Sunday – Obtain dataset

Monday – Cleaned up, reformatted, and ready to analyze