

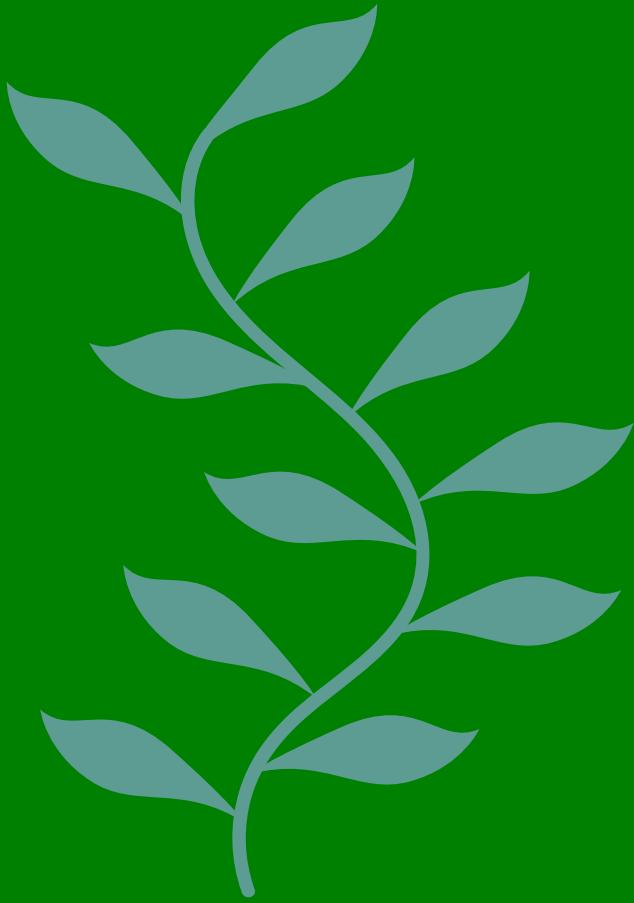


The Wetlands Project: **GOALS & ASPIRATIONS**

Tessa S., Lauren H., and Harrison L.

BASIC GOALS:

- Use Shiny for our interactive dashboard
 - clear and functional
 - cover all variables of water quality
 - informs community in effective manner
 - Create visualizations for water quality variables on both a yearly & monthly basis
- use ANOVA test to perform statistical analysis between testing sites

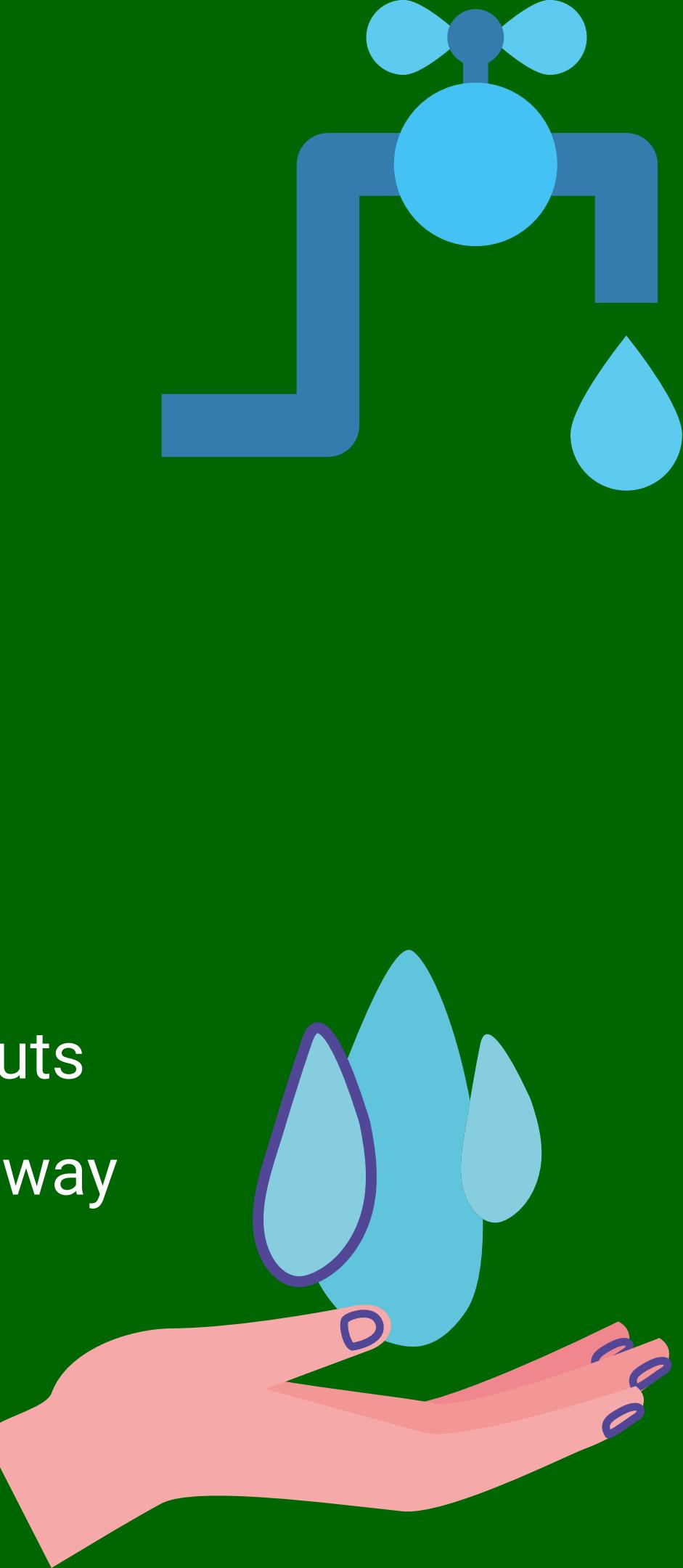


ASPIRATIONS

- Add a dropdown bar for weather-related variables (air temp, wind speed, etc.)
- Create visualizations that show variables on an hourly basis
- Make models that allow Dr. McGrath to easily continue to input her data
- Make a predictive model so Dr. McGrath may predict future trends (trends tbd; dependent on data availability and quantity)

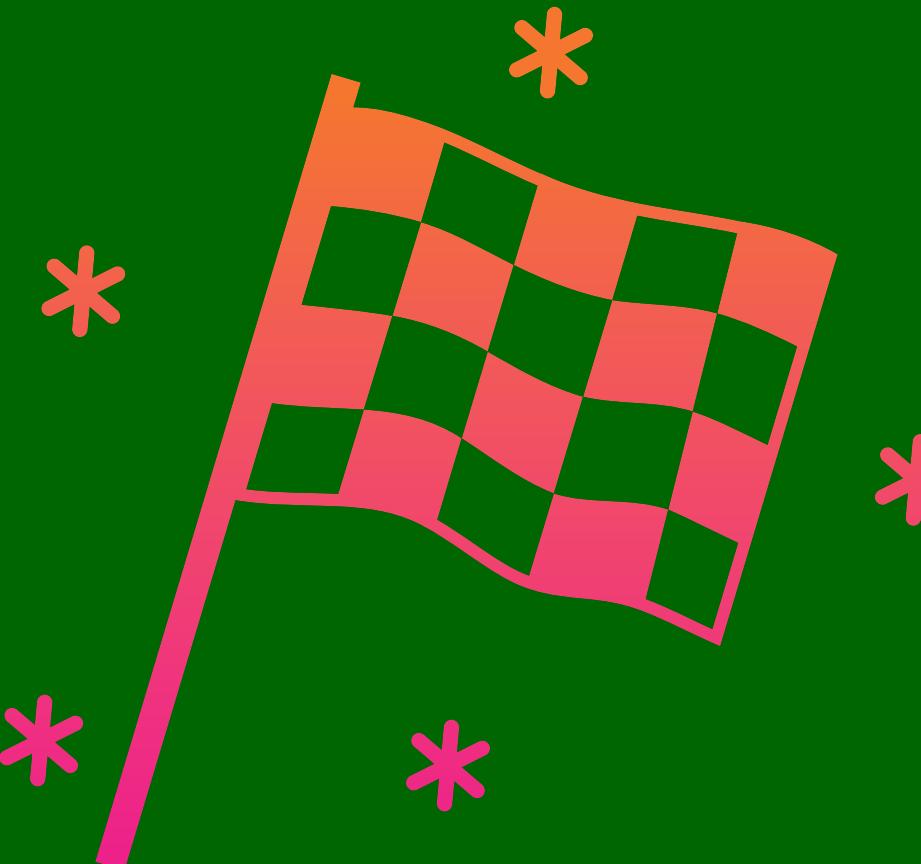
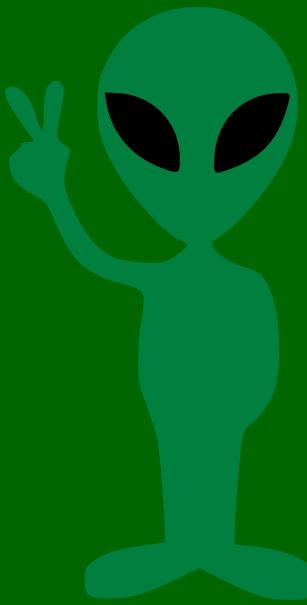
pre-mortem

- Lack of Shiny experience/expertise
- understanding of the variables and their significance
- Only have a year and 2 months' worth of data
- Failure to allow Dr. McGrath to use our models for future inputs
- Not using GitHub properly, losing code & progress along the way





WHAT IS A SUCCESSFUL OUTCOME?

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- Includes all of clients "must haves" (refer to basic goals)
 - Is capable of being utilized by the community
 - Will help to further her research and intended use for the data
 - Making a system for future input of data
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