Graphical user interface, text, application, email

Description automatically generated

What is the problem you want to solve?

* Accurately predicting droughts, so local and state governments can allocate and distribute resources/capital to prepare accordingly
* Narrow focus to better understanding the most influential variables and how we can manipulate those to mitigate drought risk

Who is your client and why do they care about this problem?

* Local, state and federal government along with agricultural producers

In other words, what will your client do or decide based on your analysis?

* Ideally, all stakeholders could better prepare for imminent droughts and minimize potentially drastic economic fallout

What data are you using?

* Meteorological/drought data supplied by NASA and the National Drought Mitigation Center

How will you acquire the data?

* Kaggle has provided a comprehensive dataset that is minimally processed

Briefly outline how you’ll solve this problem. Your approach may change later, but this is a good first step to get you thinking about a method and solution.

* Follow the steps/process outlined in the guided capstone; use a time-series forecasting model
* There is a possibility that I will have to account for regional/state differences; for example, does overproduction of monocrops also influence conditions that may increase the likelihood of a drought? Does this production differ in regions throughout the US?