A TALE OF TWO COUNTIES:
THE ECONOMIC IMPACT OF DROUGHT ON CALIFORNIA’S AGRICULTURAL SECTOR

Julia Brandes, Hillary Jenkins, & Serene Ong
The Conceptual Idea

- **Water Balance Model**
  - Inputs: Precipitation & Groundwater
    - Spatial (California) and Temporal (Monthly, 1985 - 2015)
  - Outputs: Reservoir Storage and Surface Water Availability

- **Cost Model**
  - Inputs: Reservoir Storage & Surface Water Availability
  - Outputs: Cost of water per MAF based on availability

- **Agricultural Model**
  - Inputs: Reservoir Storage, Surface Water Availability, Water Cost
  - Outputs: Agricultural production, employment, wages, prices