

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

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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