

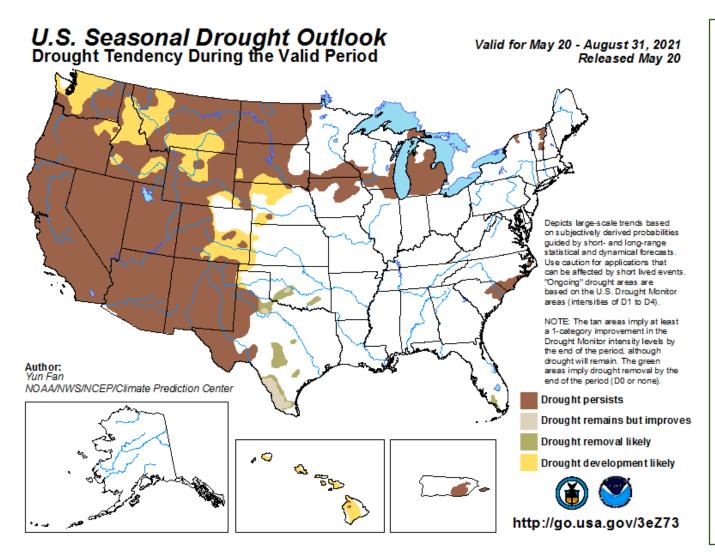
The City College of New York

Analyzing Climatic & Anthropogenic Influences on Farm Output & Yield Behavior

Caroline Schwab, NOAA EPP/MSI Scholar

Mentor: Dr. Tarendra Lakhankar

Background

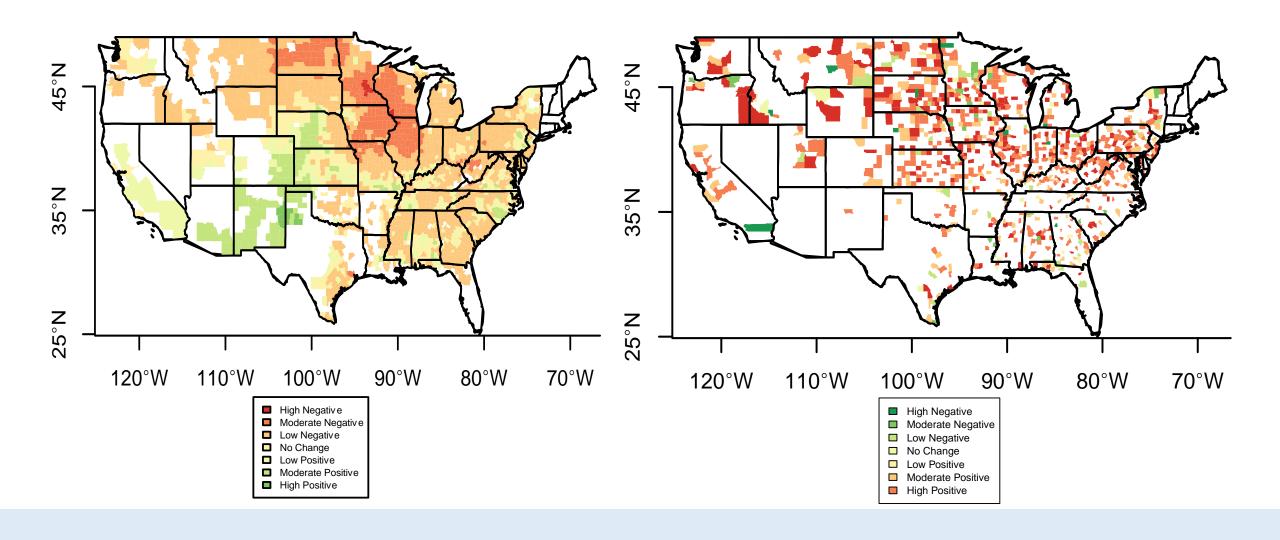


- As climate change persists,
 the frequency of drought
 is projected to increase
- Agriculture at risk
- Our work aims to integrate demand and water use into drought predictions
 by forecasting crop yields

Our Research So Far

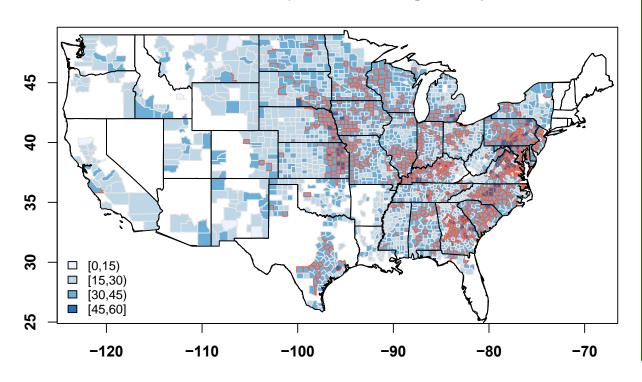
Deficit Anomaly 1988

Impacted Yield 1988



Questions we are Investigating

Quadrant 2 (Low Deficit, High Yield)



- <u>Statistical Analysis</u>: What are the climatic links to yield? (ENSO, etc.)
- Econ/Policy Analysis: Why do these counties and states not follow climate dependencies? (Farm data)

What suggestions would you make for farm policy based on the data?

What you will work on

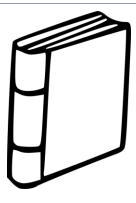
All experience levels welcome!

Economic & Farm data Global Climate Data



R Studio* Excel Statistical Analyses

Reports, Newspaper Articles County, State, Federal Policy



Become an expert on your own state, and direct HIRES on county procedures!

