

# Agricultural Labor and Climate Change

How is climate change impacting farm workers' livelihood and how can we build resiliency?

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## Data Sources

- Bureau of Labor Statistics U.S. County-Level Agricultural Employment data: 1990-now
  - Limited data from 1975
  - 3140 counties
- Climate change variables: precipitation, vegetation health index
- U.S. Census, American Communities Survey
- Inflation rates



# Methods

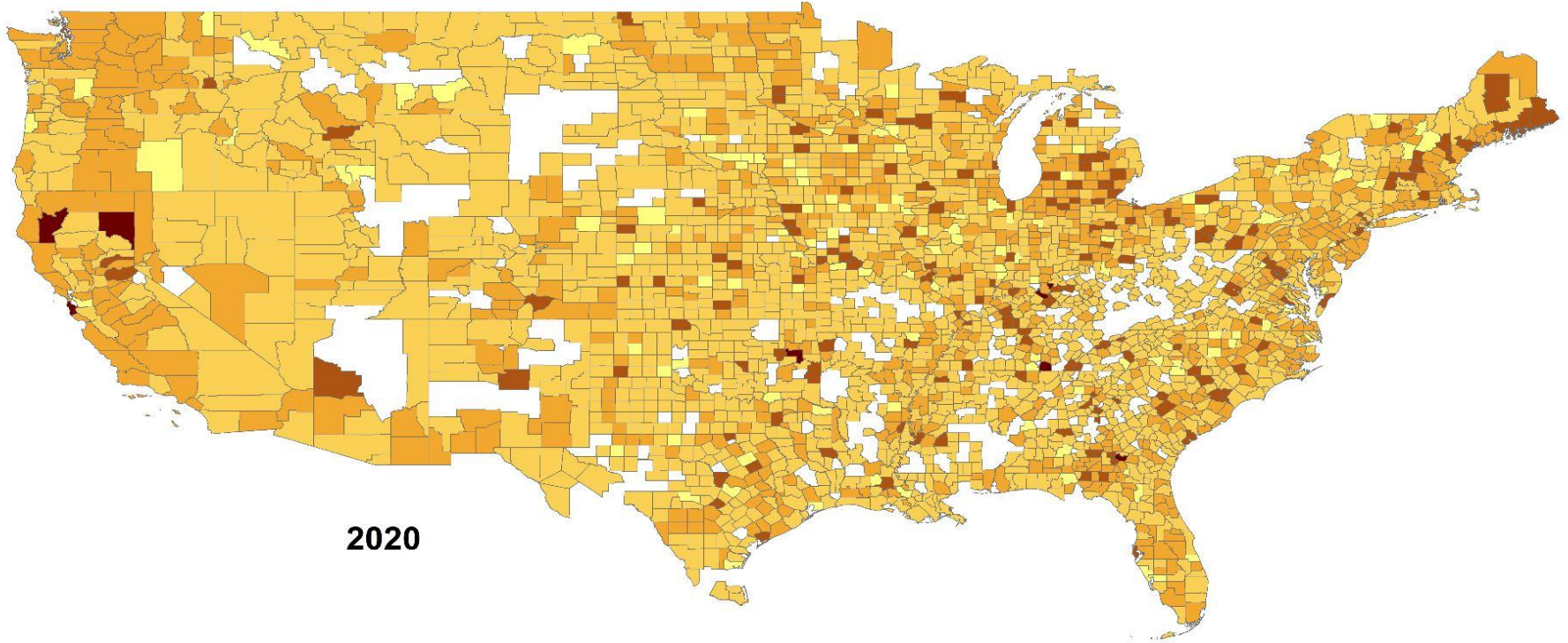
Story Mapping: wage/income changes over time with climate change proxies

- Bivariate Maps
- Animated maps over time
- Wage changes compared to inflation rates
- Focus areas of interest
- Relevant baseline maps
- Highlight major historical events



## Expected Results

- Decreases in farm employment in areas experiencing a decrease in precipitation
- Decreases in farm employment in areas experiencing a decrease in vegetative health
- Wages not sufficiently increasing with inflation over the time period studied



**2020**

% wage earning changes: Red: high positive % change  
Yellow: % wage losses