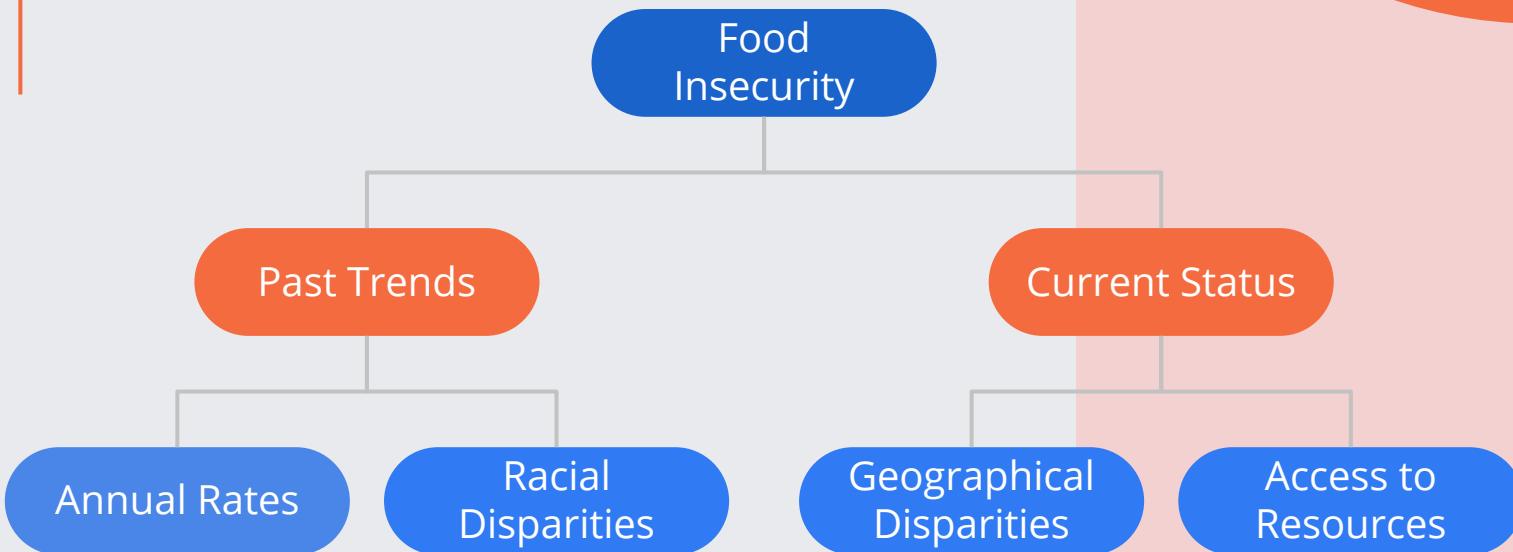


Analysis of Food Insecurity

Presented by Krystal Chan, Tanvir Reza

Introduction



Data + Processing

1. Parse data for relevant information
2. Convert data into usable format
3. Visualize data with specific variation
4. Combine research with visualization

Dataset origins:

- U.S. Department of Agriculture
- Food Research Action Center
- Institute of Policy Research
- Feeding America



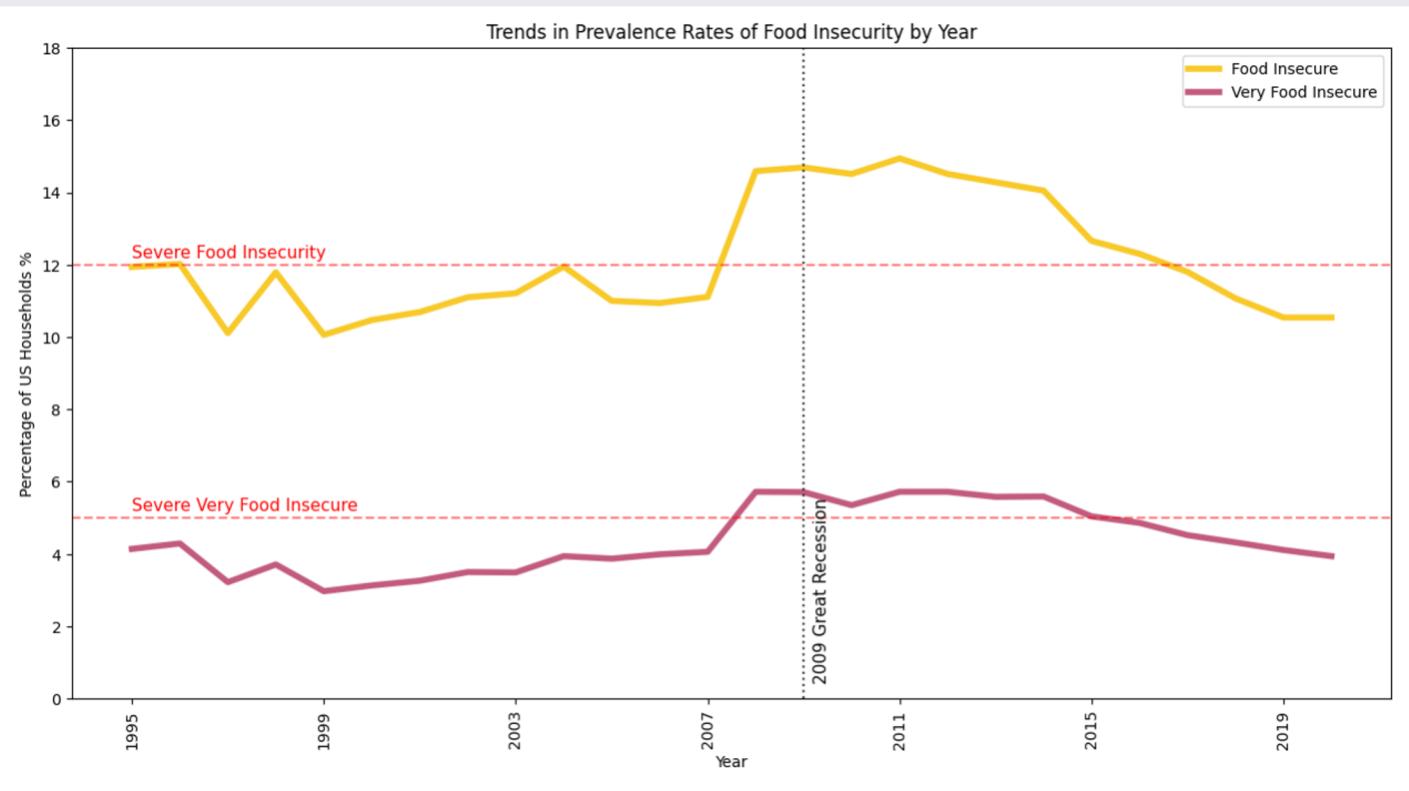
FRAC
Food Research & Action Center

What is Food Insecurity?

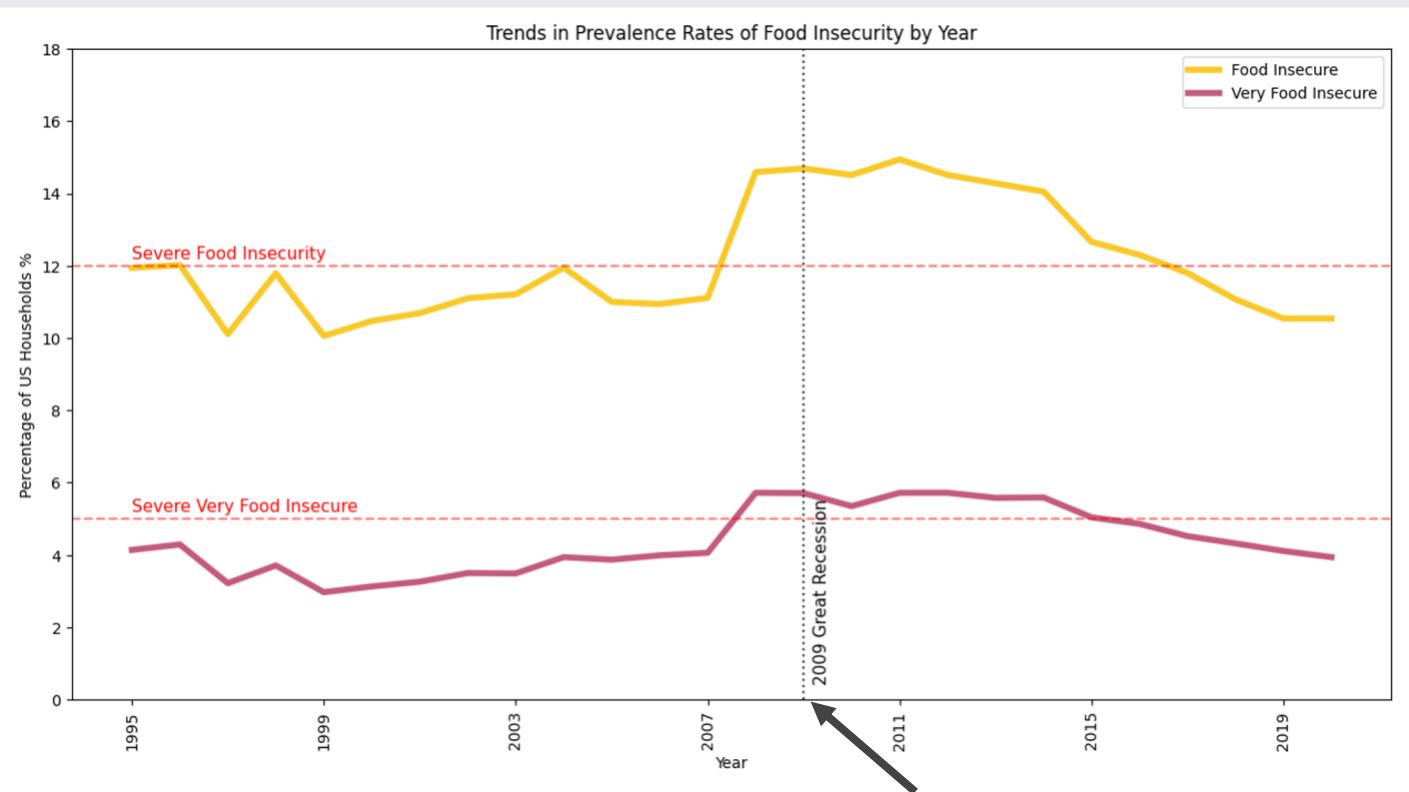
- Consistency of access to nutritious food
 - Food Secure
 - Food Insecure
 - Very Food Insecure



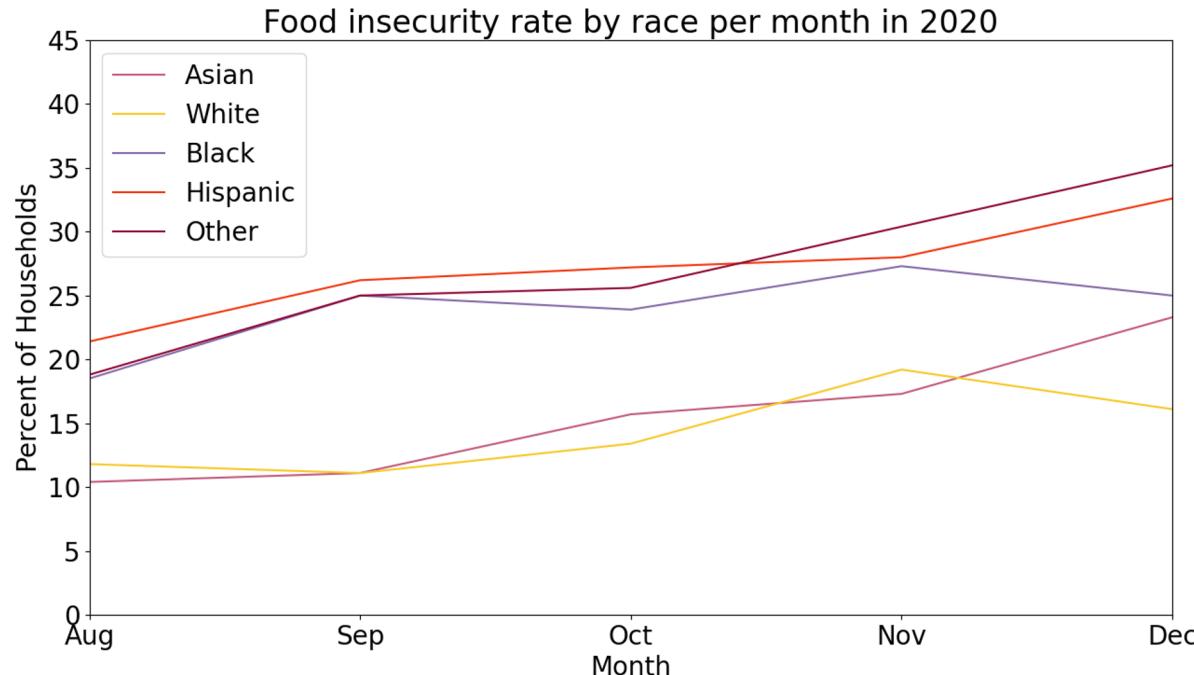
Past Trends: Annual Rates



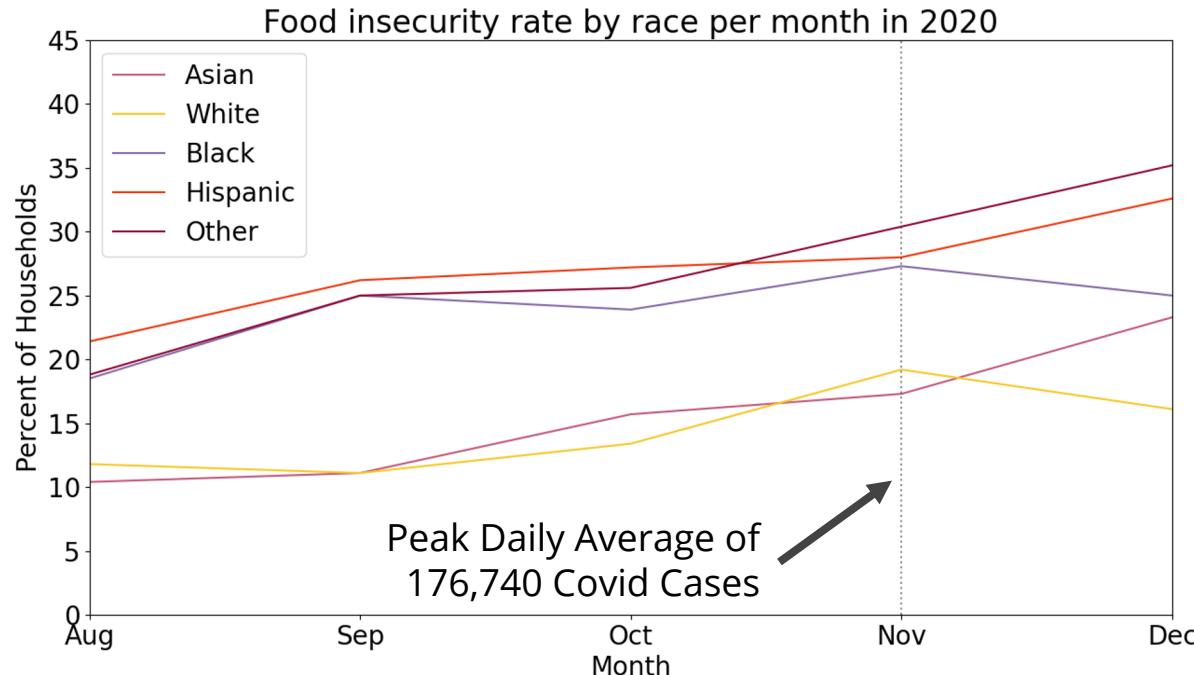
Past Trends: '09 Recession



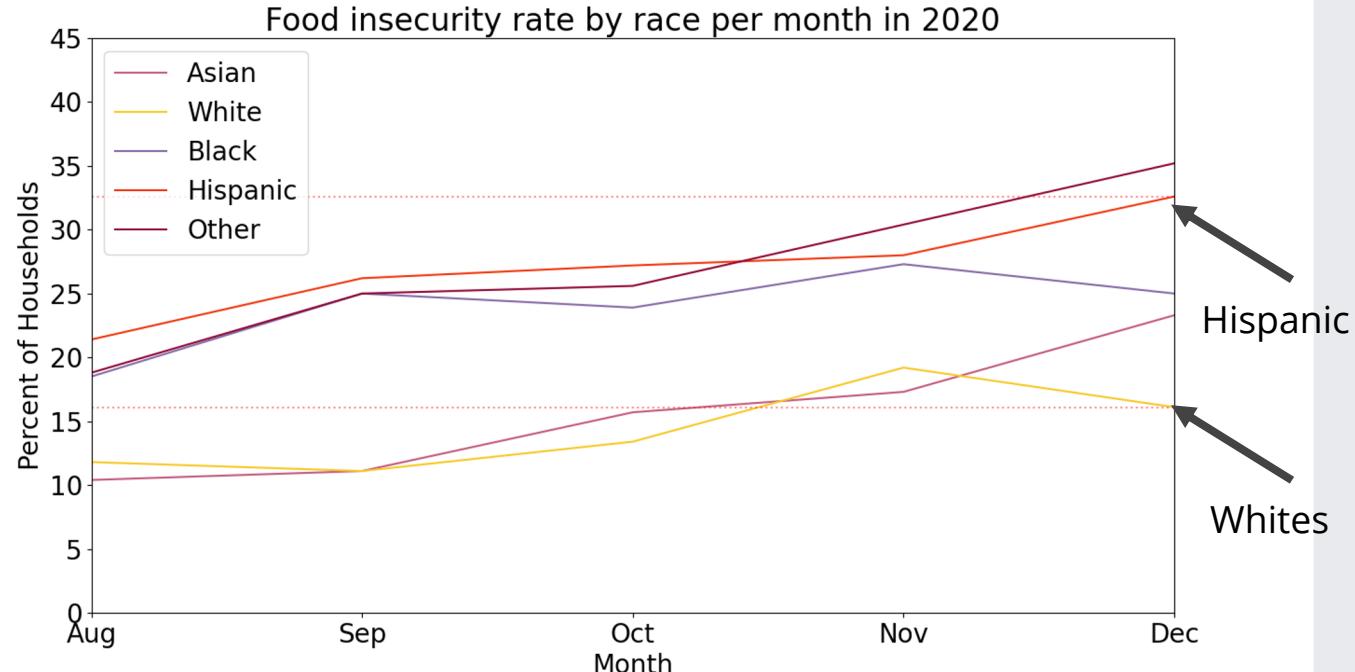
Past Trends: Racial Disparities



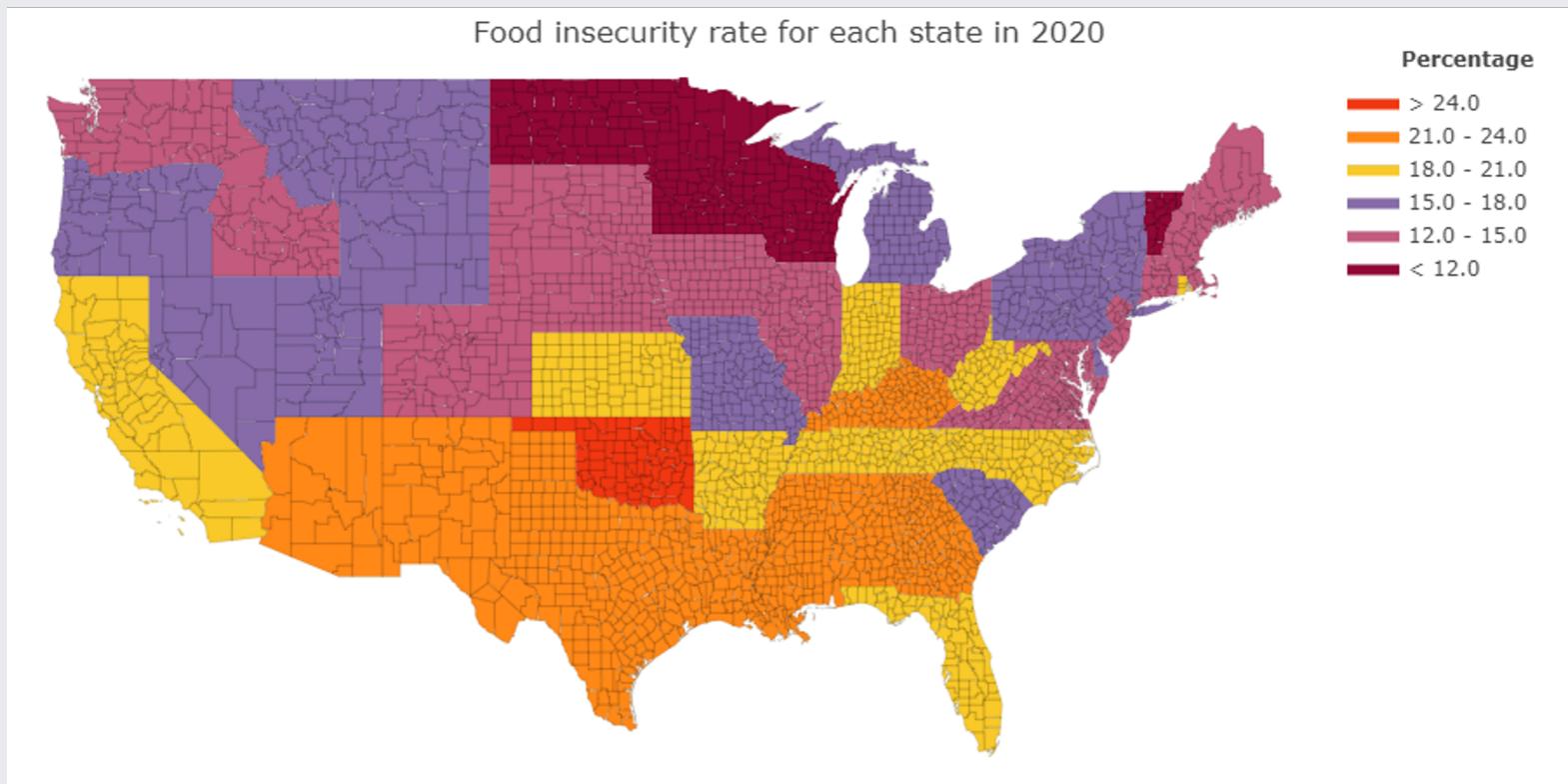
Past Trends: Racial Disparities



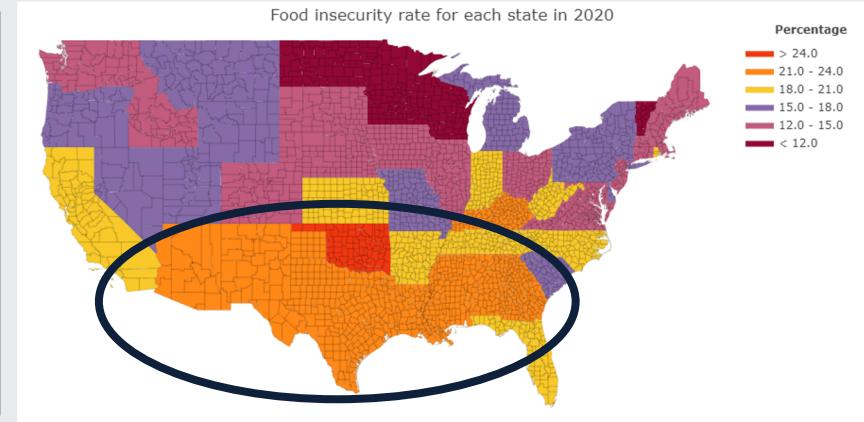
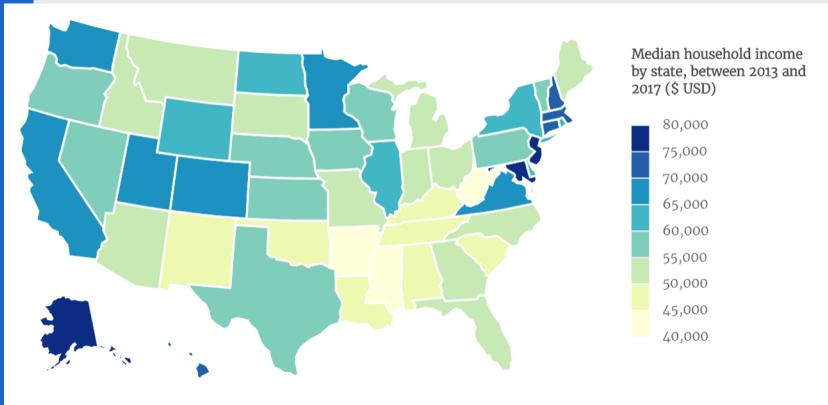
Past Trends: Racial Disparities



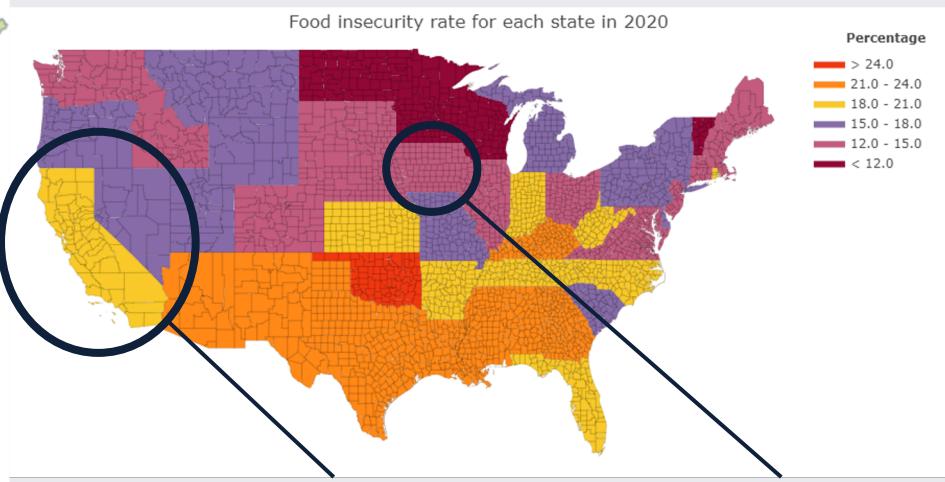
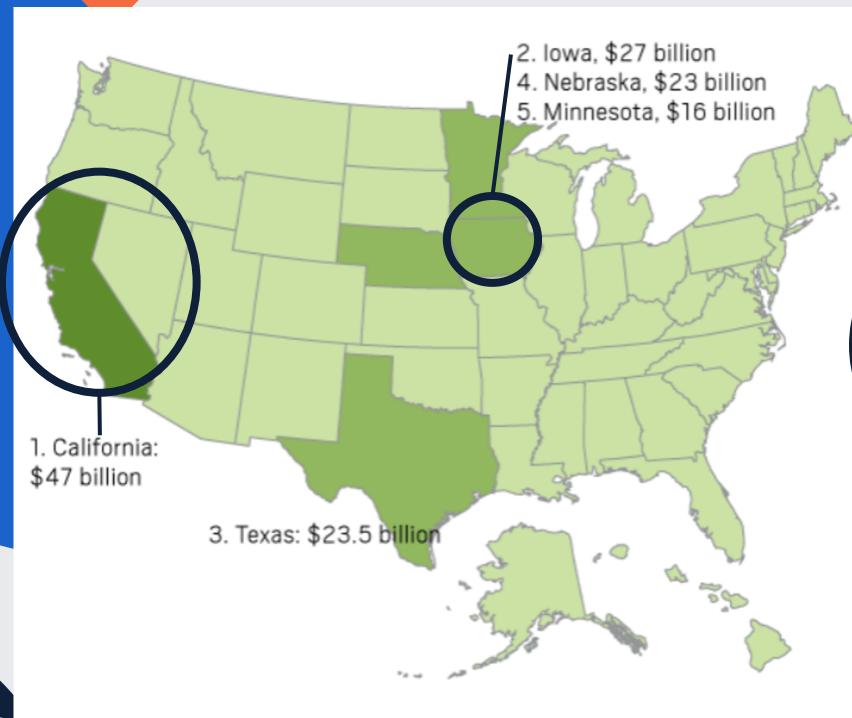
Visualization: Rates by State



Visualization: Rates by State



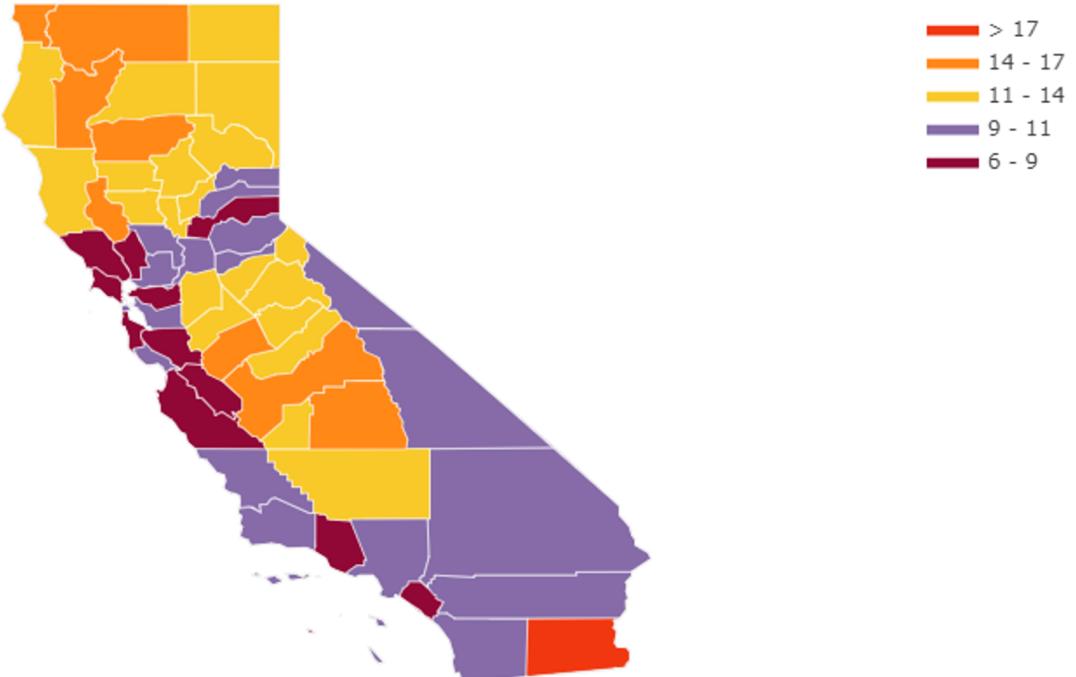
Visualization: Rates by State



Visualization: Rates in CA

California Food Insecurity Percentage by County

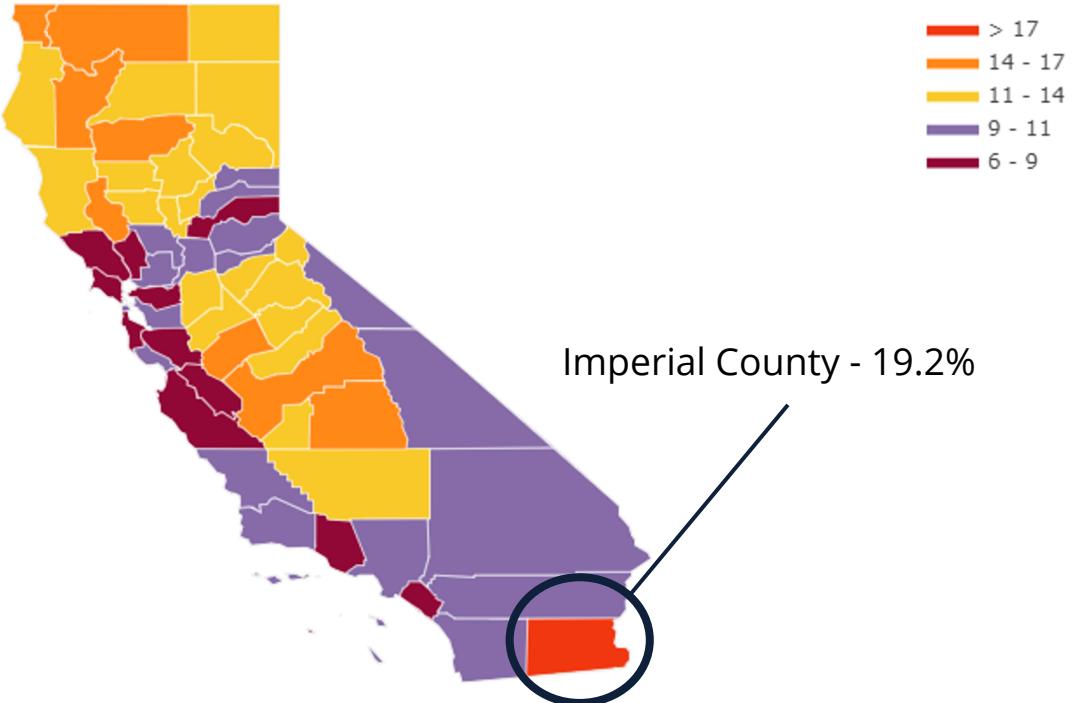
Food Insecurity Percentage by County



Visualization: Rates in CA

California Food Insecurity Percentage by County

Food Insecurity Percentage by County

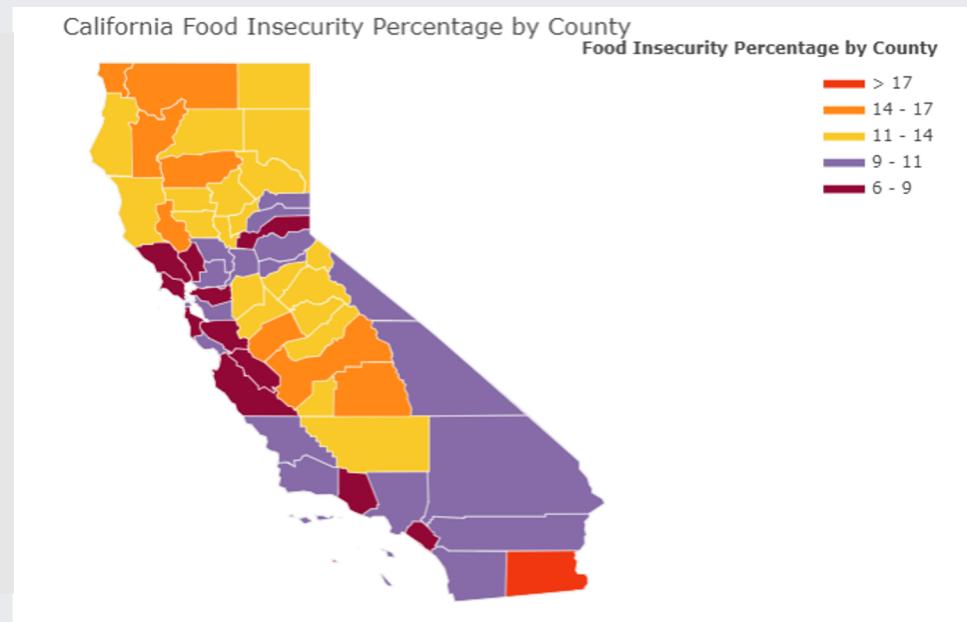
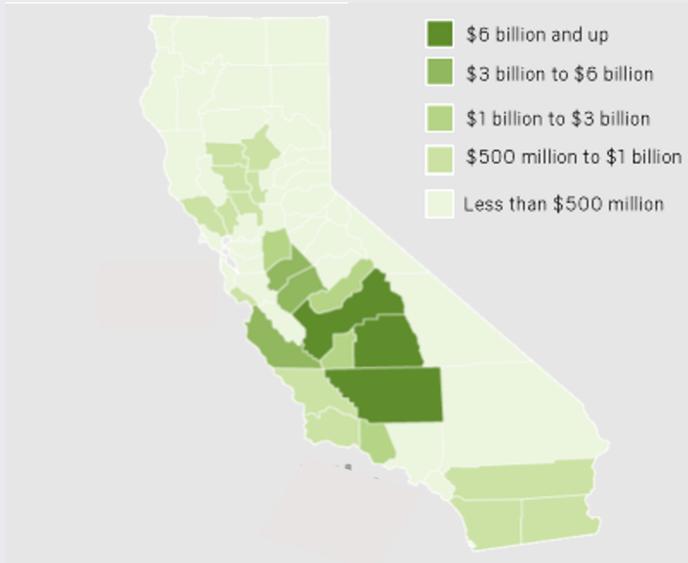


Case Study: Imperial County

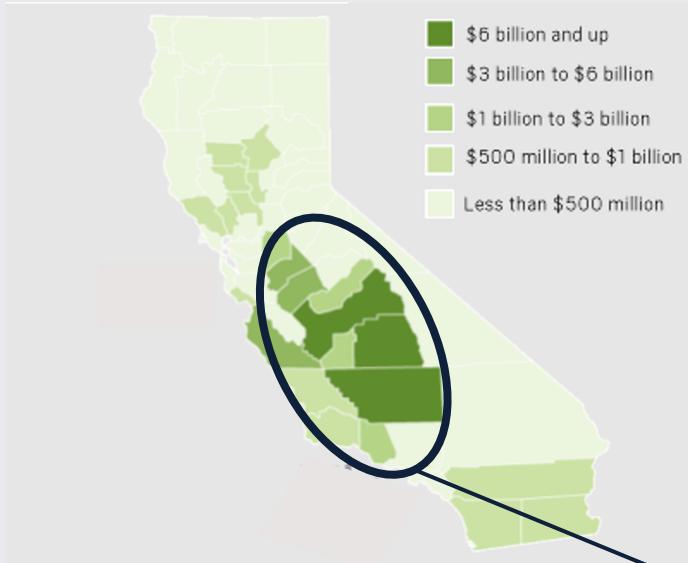
- Relatively low population - 175,528 individuals
- 80% of population is Hispanic
- Explicitly known for agriculture production



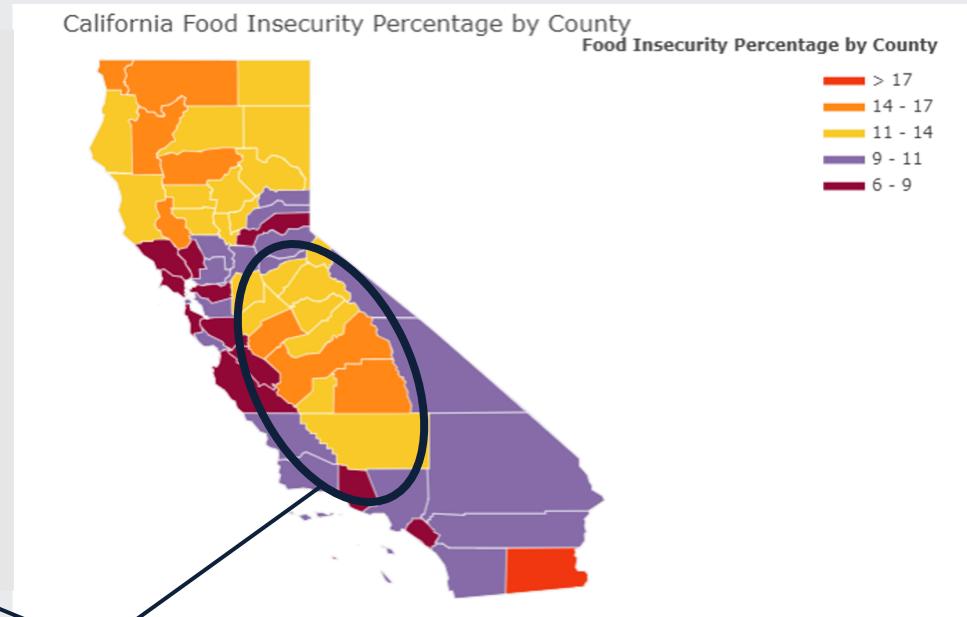
Visualization: Rates vs Production



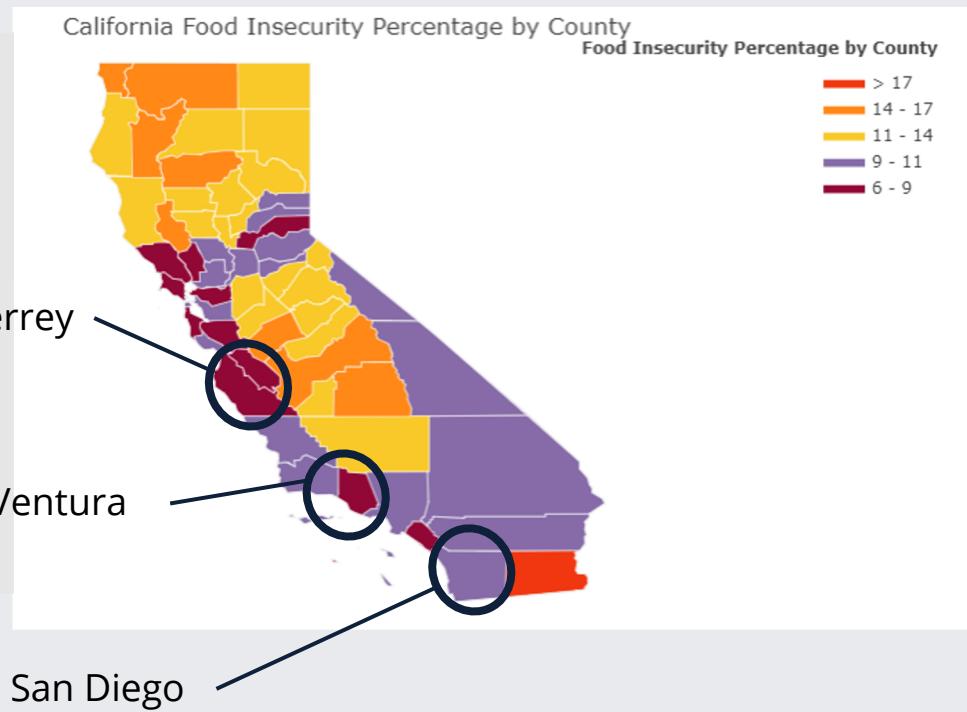
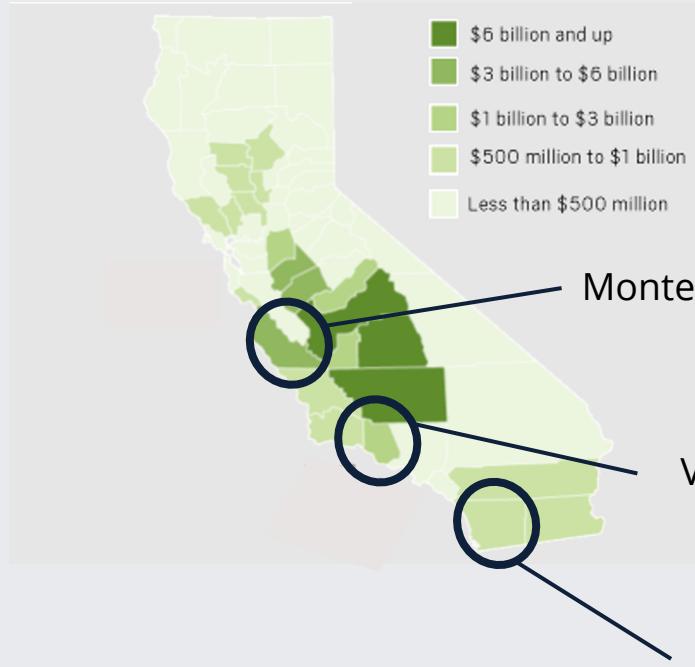
Visualization: Rates vs Production



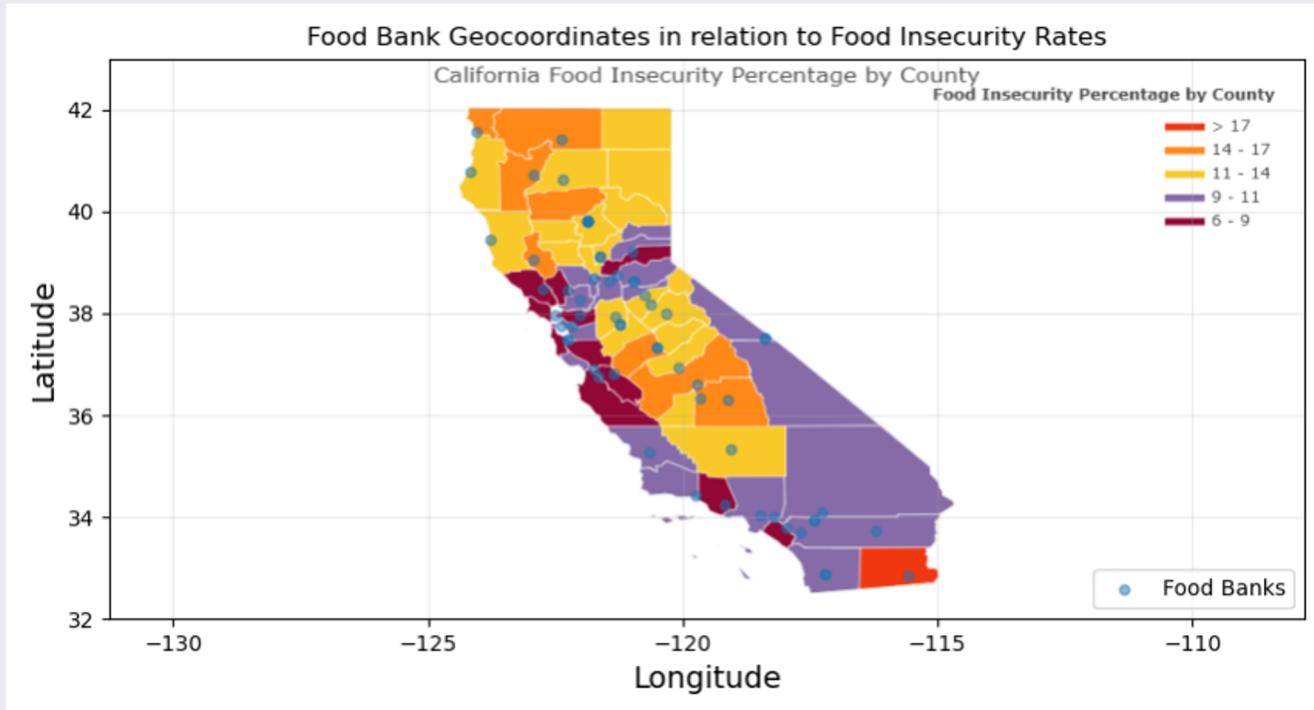
Areas with high
Agricultural Production



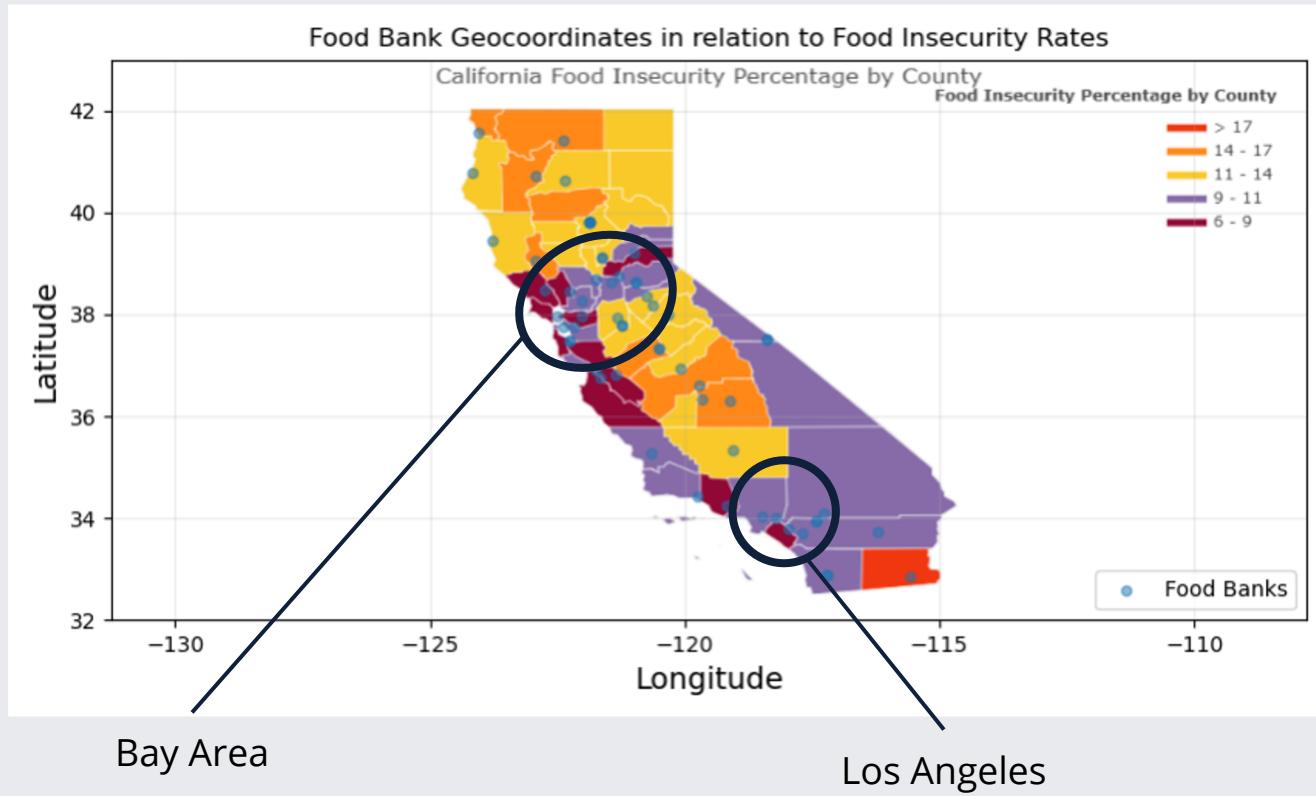
Visualization: Rates vs Production



Visualization: Rates vs Access



Visualization: Rates vs Access



Summary: Possible Causes



Political



Socioeconomic



Geographical

Thanks!

Do you have any questions?

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