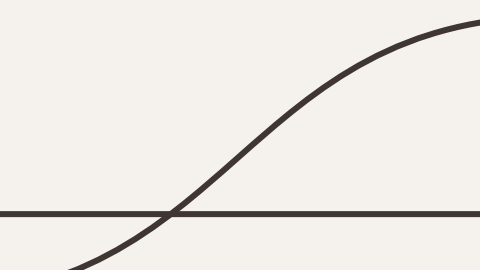




# Food Insecurity

## A Leading Indicator of State-Level Mental Health Trends

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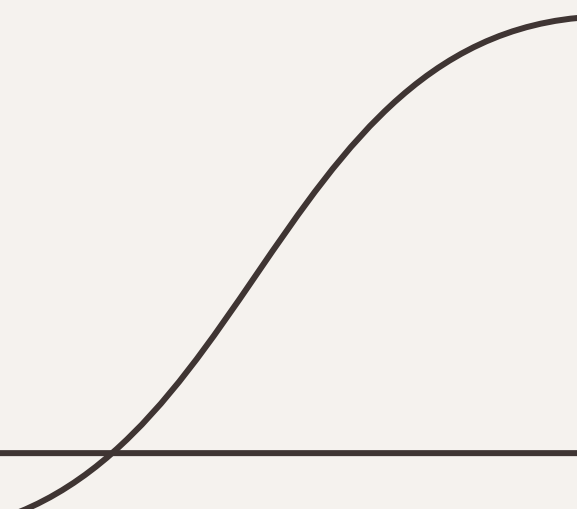
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# Business Problem

- Anxiety and depression remain elevated during economic stability.
  - Policymakers need timely indicators of emerging mental health risk.
  - Traditional economic measures may miss household-level hardship.
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# Why This Matters

- Mental health resources are limited and reactive.
- Early warning indicators enable targeted intervention.
- Understanding within-state changes is critical for policy response.



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# Data Sources

**01**

**HPS**

Household Pulse Survey (HPS) for  
mental health & food insecurity

**02**

**BLS**

State unemployment  
rates, CPI inflation

**03**

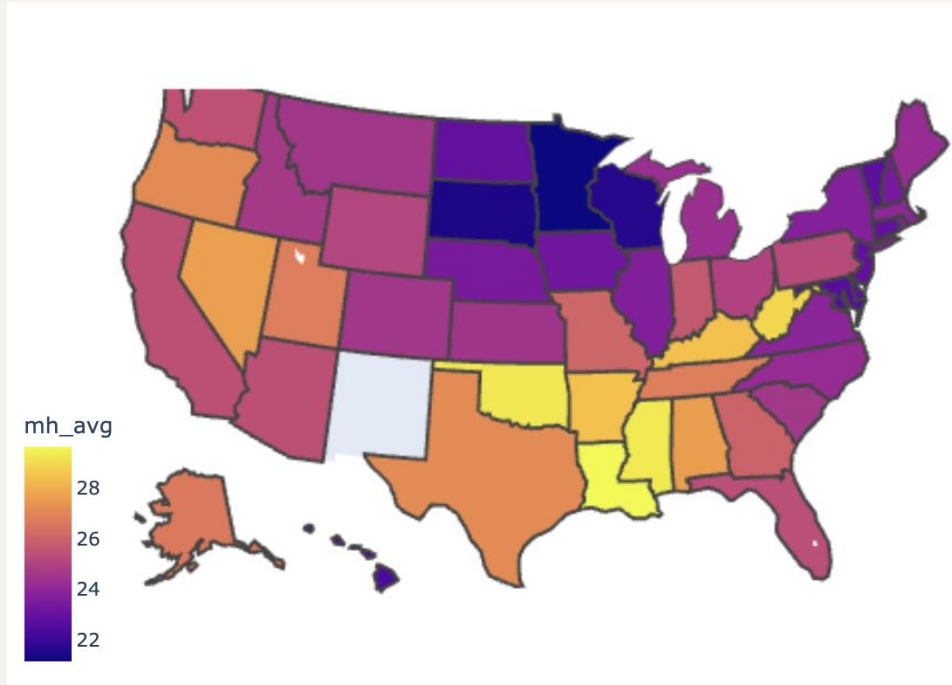
**ACS**

Structural socioeconomic context  
(income, housing, insurance)

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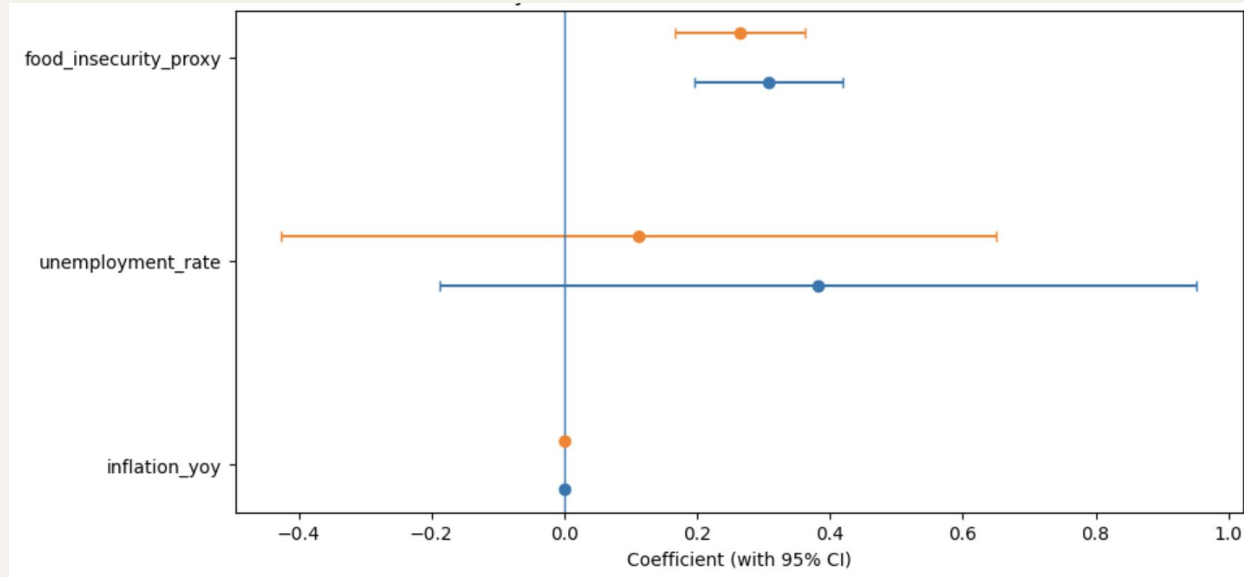
# Methods

- State-by-month panel (July 2021 - Sept 2024)
- Fixed-effects regression models
- Lagged robustness checks
- Clustered standard errors



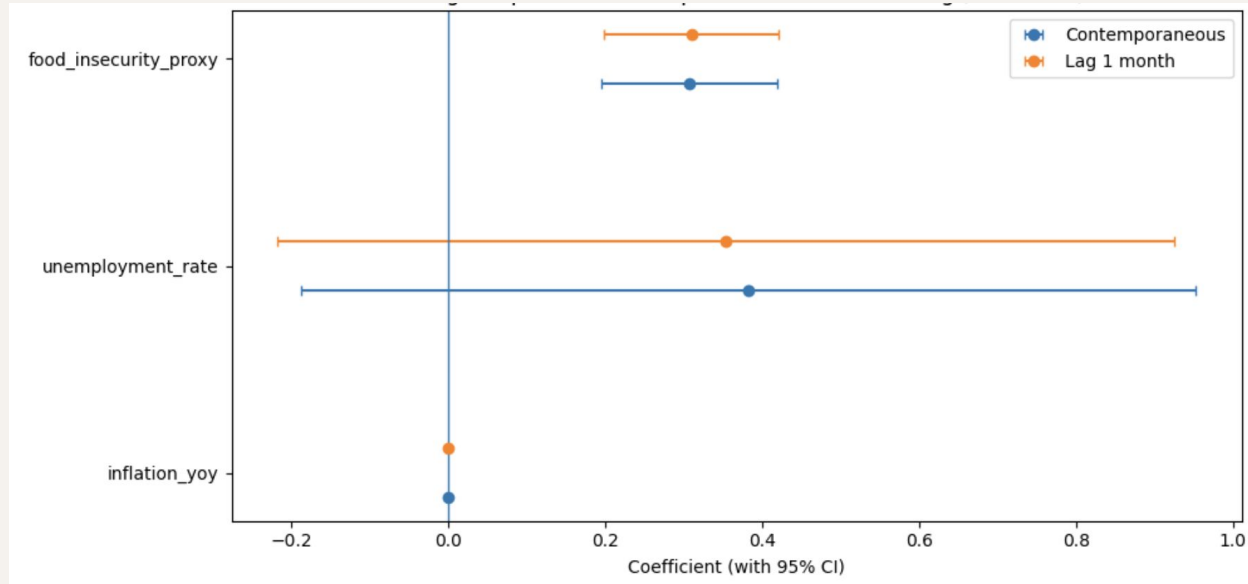
# Geographic Variation

Large baseline differences across states justify fixed-effects modeling.



## Core Results

- Food insecurity is robust and statistically significant.
- Unemployment and inflation are not.
- Results persist after structural controls.



# Timing Matters

Food insecurity effects persist with a one-month delay.



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# Key Takeaways

## Food insecurity

is the strongest  
short-term economic  
predictor.

## Macro indicators

alone may miss  
proximate mental health  
risk.

## Household hardship

matters more than broad  
averages

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# Policy Implications

- Monitor food insecurity as an early warning signal.
- Coordinate food access and mental health services.
- Target resources during rising hardship periods.

## Limitations & Next Steps

- Observational, not causal.
- Limited by survey coverage.
- Future: subgroup analysis, policy evaluation, dashboards.