

# Creating the Unavailable: The Case of US Employment Data by Zip Code

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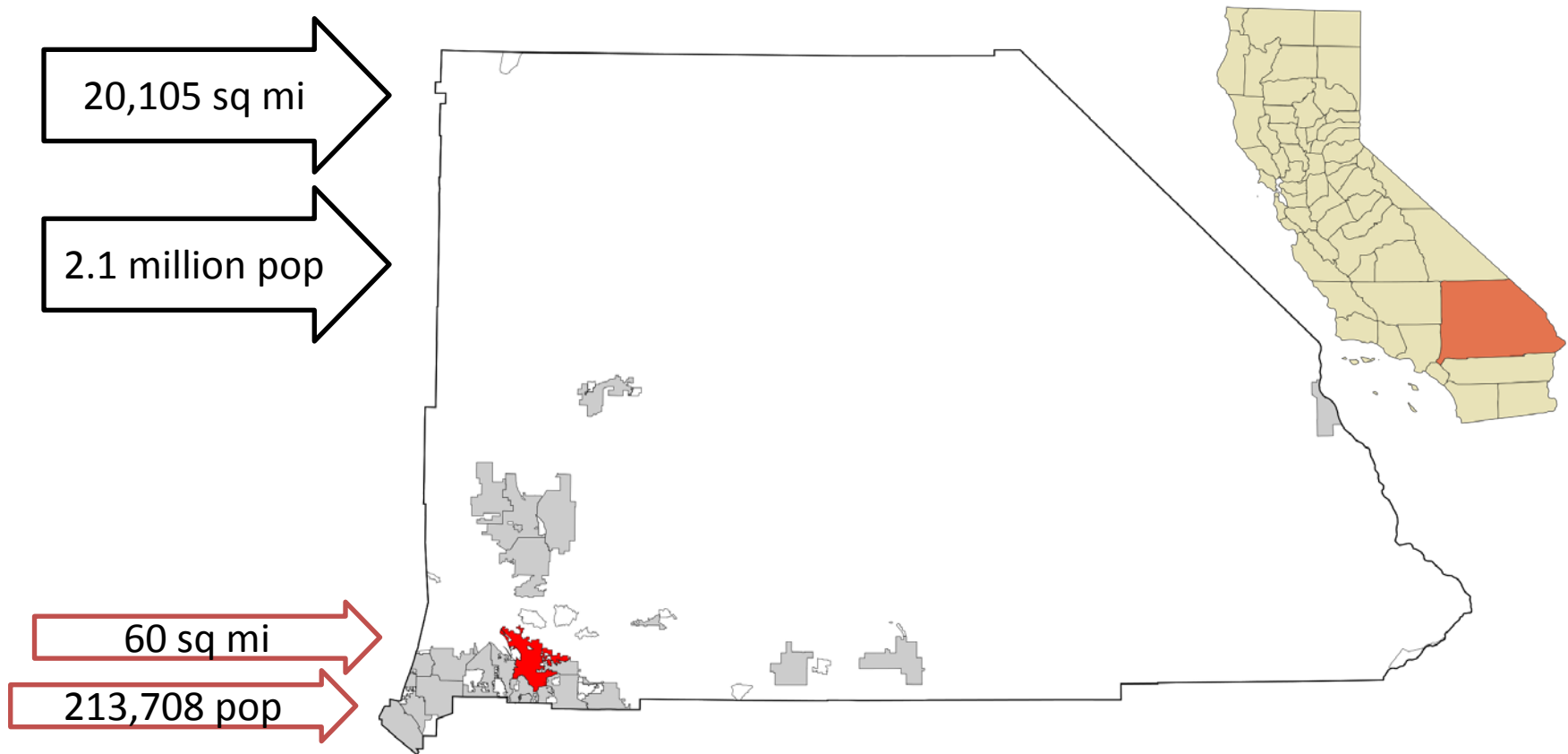
# Background

- Employment data is issued by the Bureau of Labor Statistics:
  - Monthly by MSA (SM)
  - Quarterly by county (QCEW)

# Geography



# Too large for analysis



# Our Approach

Census Zip Code  
Business Patterns  
(Annual)



BLS MSA and County  
Data (Monthly)



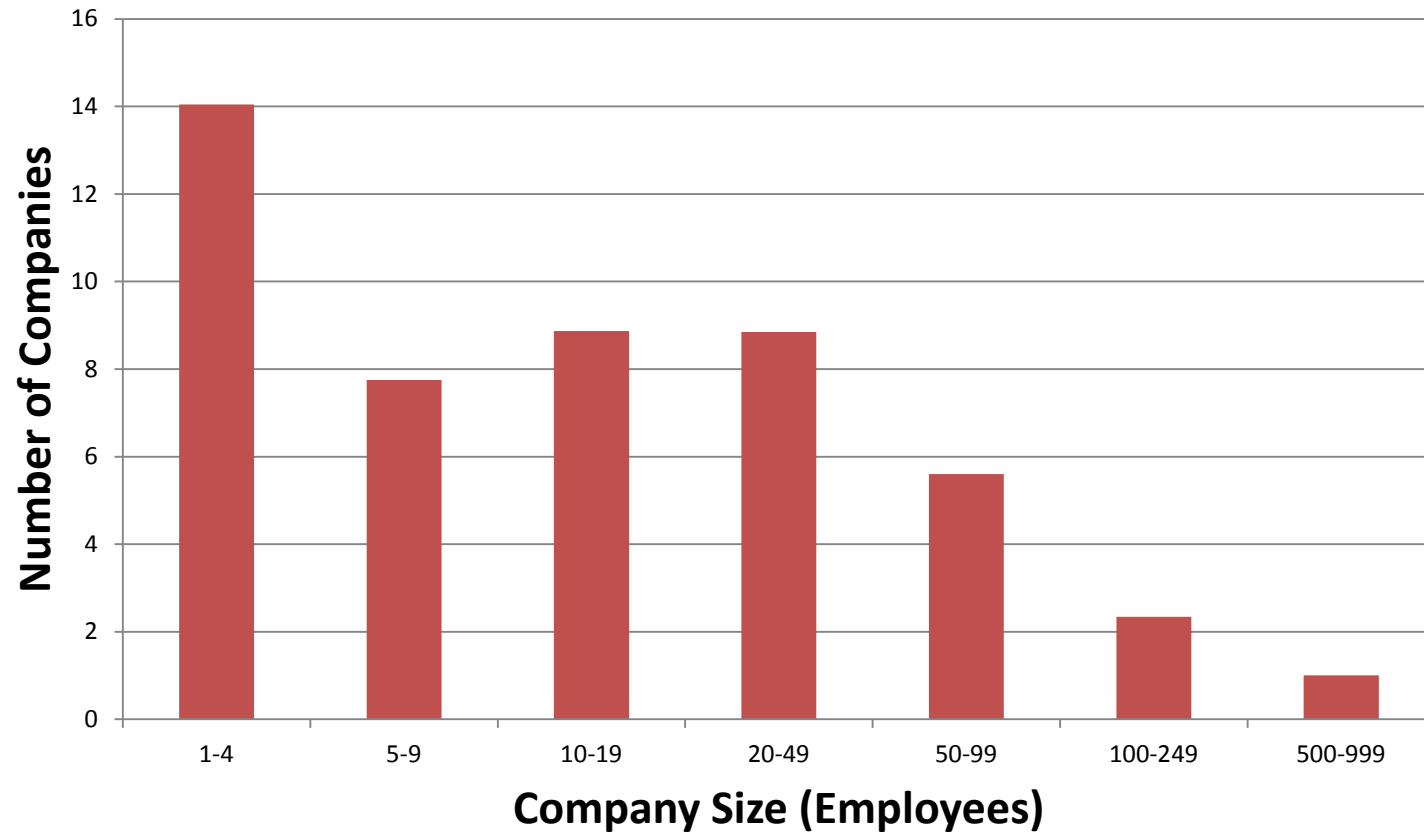
Monthly employment by  
industry and zip code for U.S.  
1990 – current

# Simple principle, tedious process

- Match fine-grained Census business pattern data to more coarse BLS data
- Missing data in the Census data
- Interpolation for months in between years
- Forecasts of business patterns for years not yet released

# Census Zip Code Data

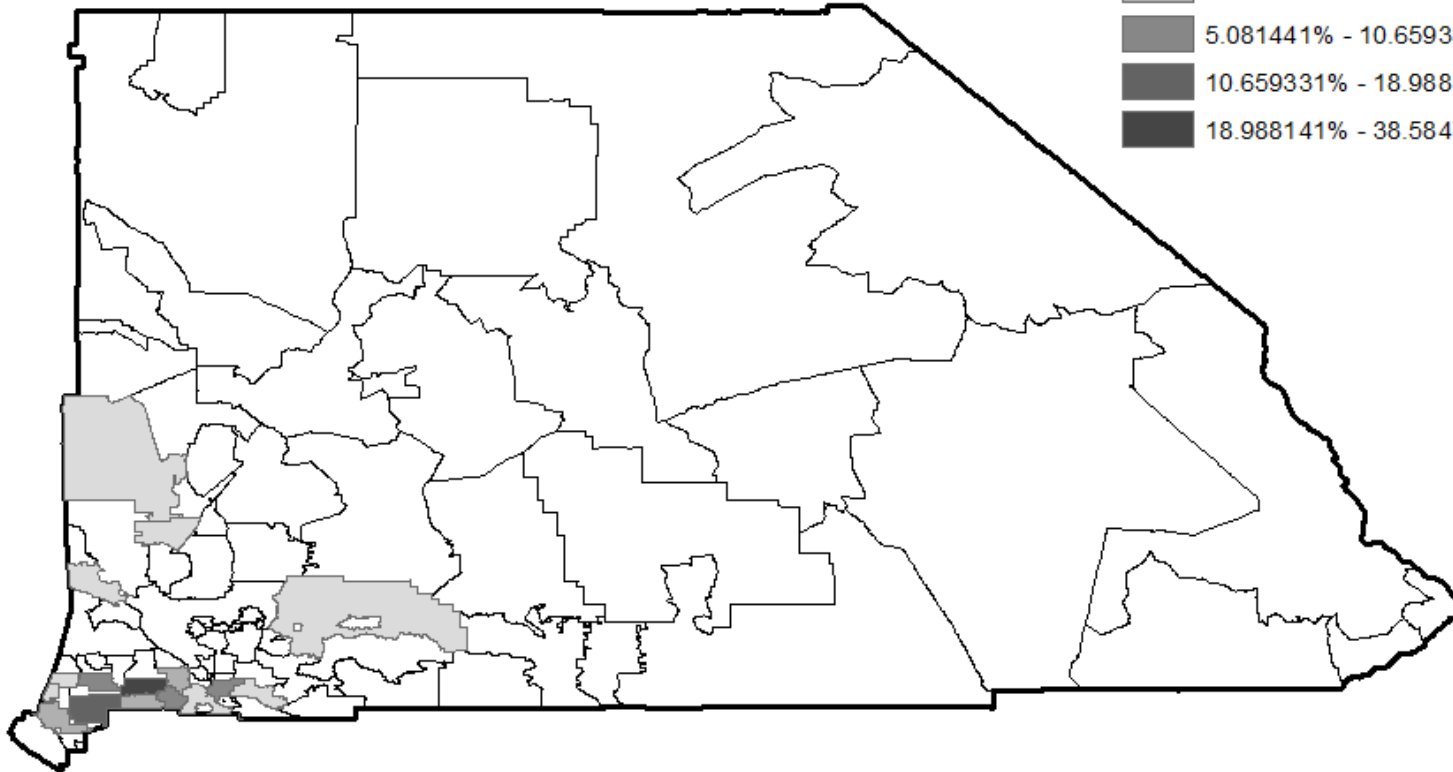
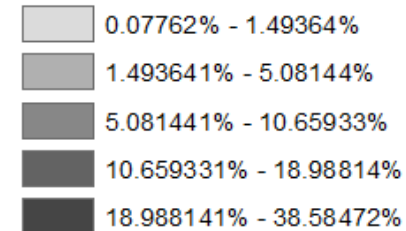
By Zip Code, NAICS



# Example: Warehousing & Storage

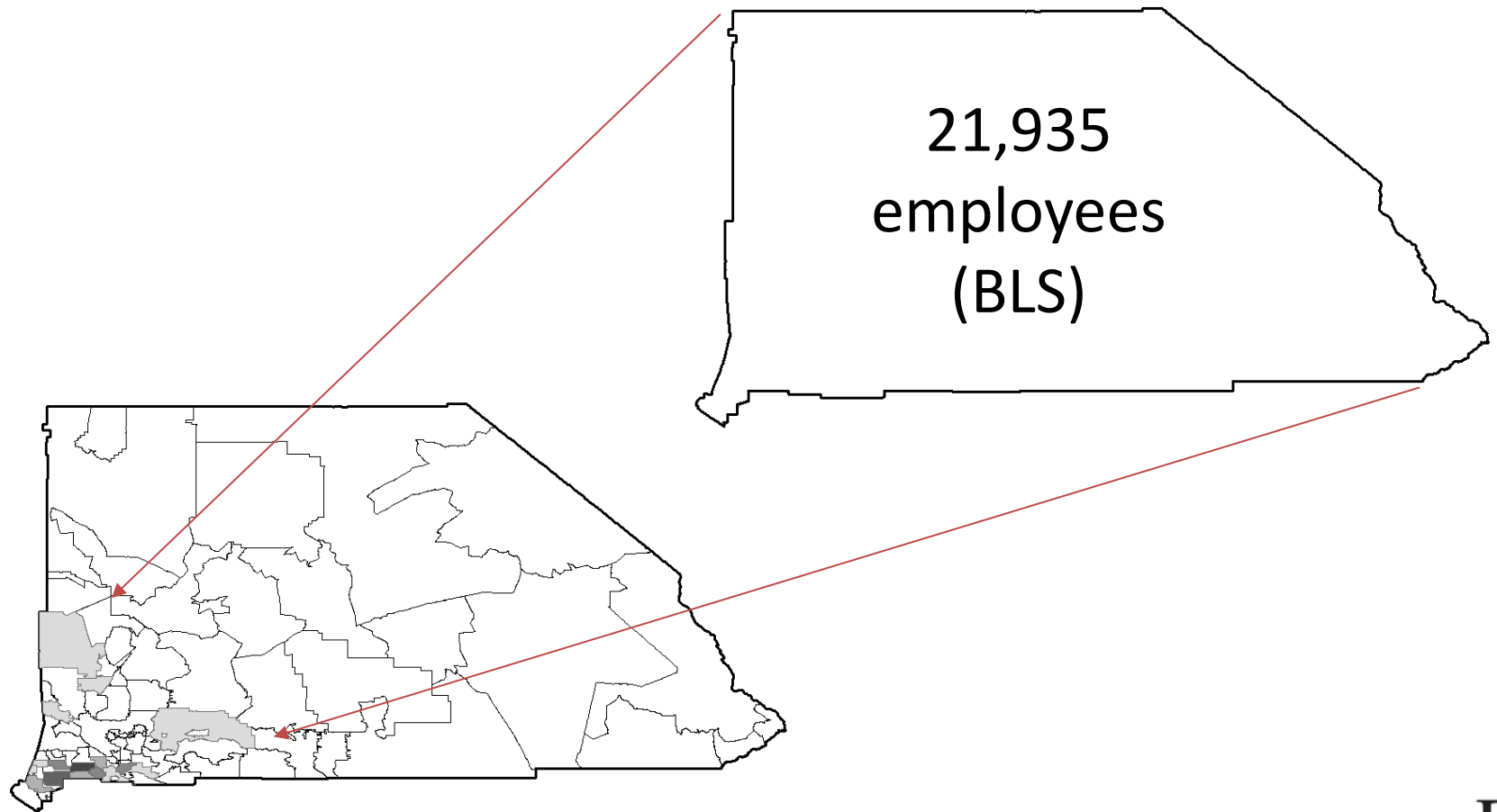
- NAICS 43-493100

## County Employment Breakdown Zip Code Share

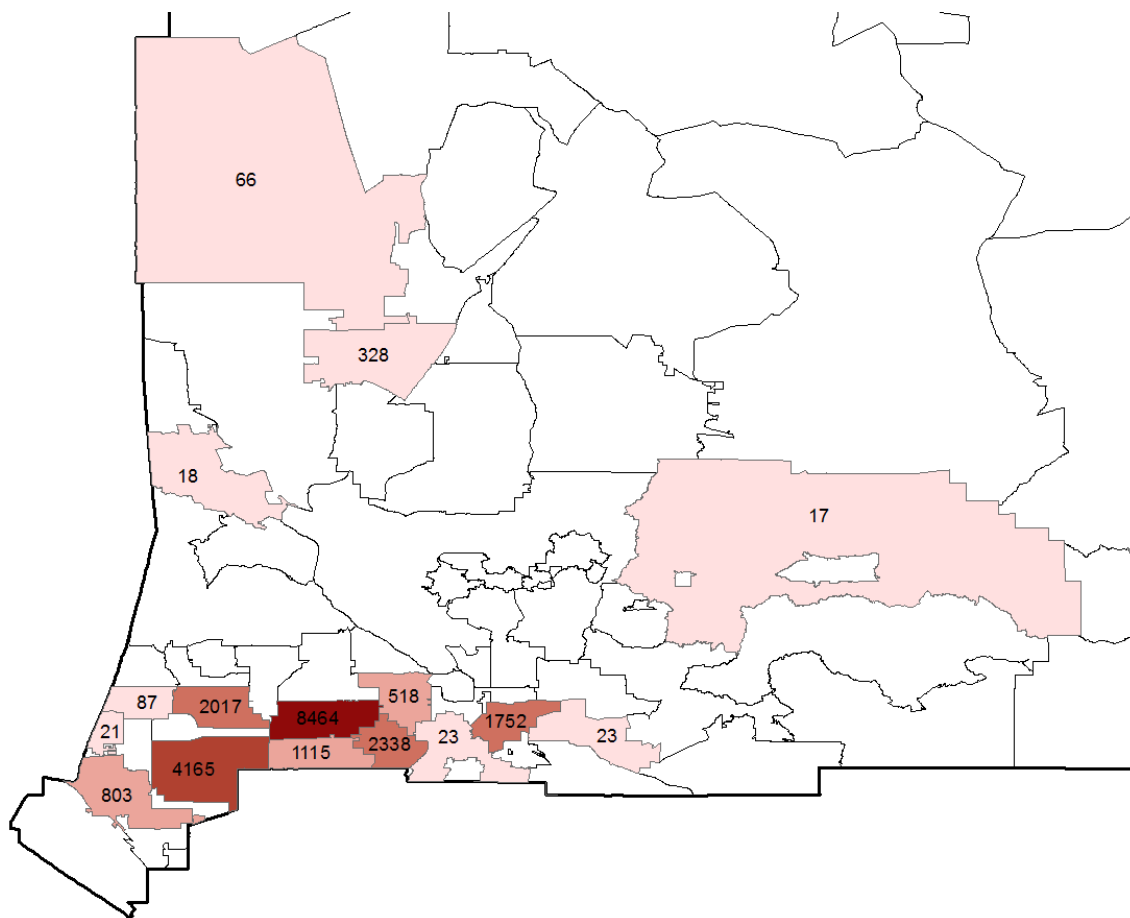




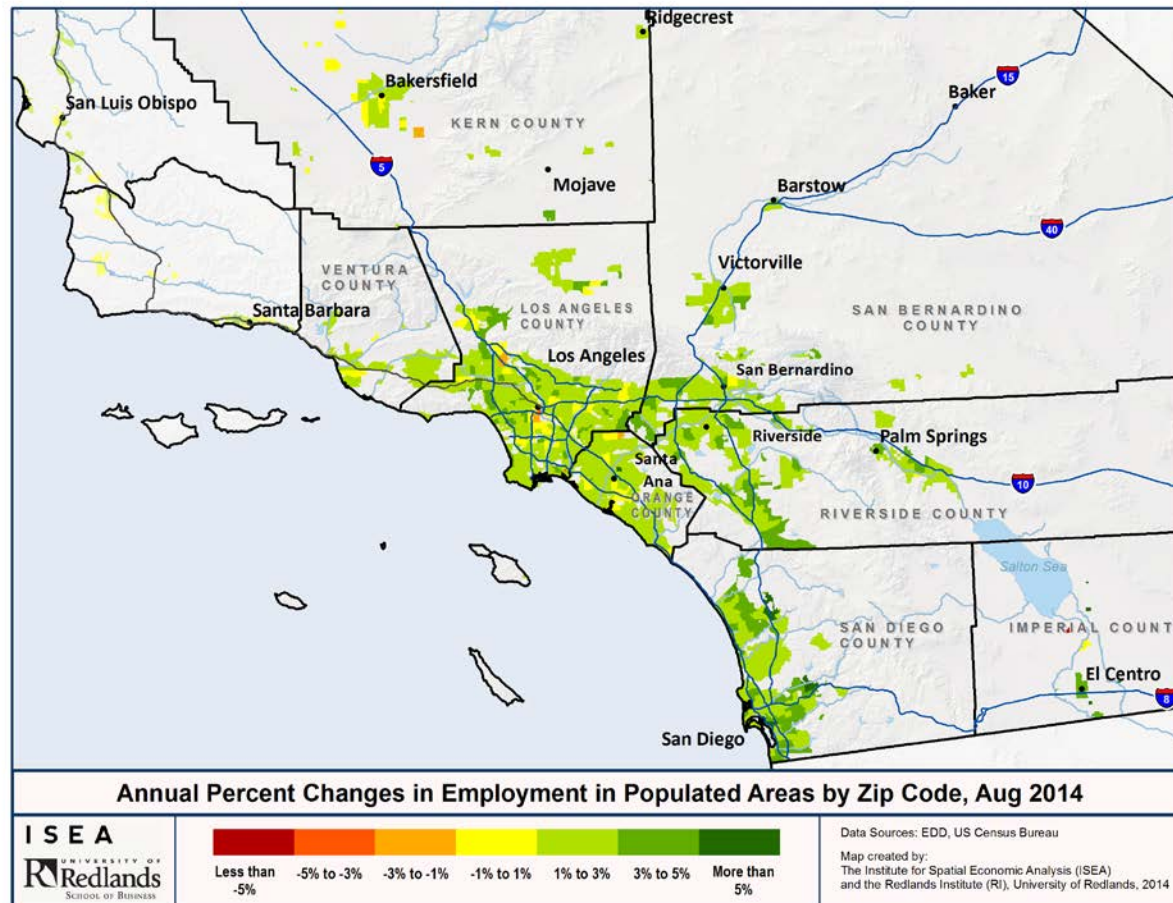
# Example: Warehousing & Storage



# Viola!



# Maps!

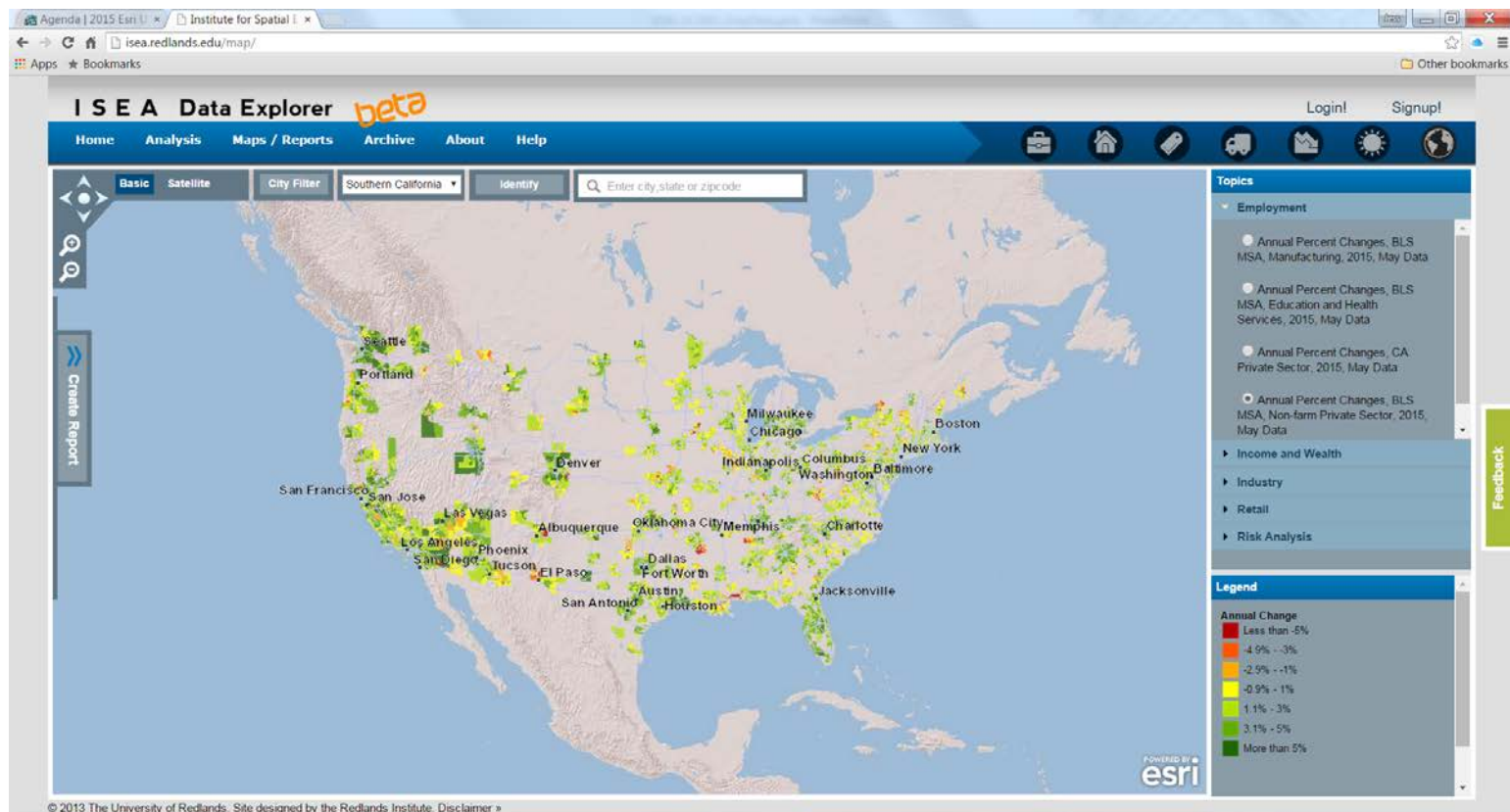


# Animations!



# Data Explorer!

- [www.isea.redlands.edu/map](http://www.isea.redlands.edu/map)



# Thank you!

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