



WOMEN'S BUREAU
U.S. DEPARTMENT OF LABOR

ISSUE BRIEF

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CHILDCARE PRICES IN LOCAL AREAS

INITIAL FINDINGS FROM THE NATIONAL DATABASE OF CHILDCARE PRICES

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Course's Instructor: Dr. Roland Krause

Outline

- Childcategories
- Care Setting
 - Center-based care and home-based or family-based care
- Childcare Costs over time in USA
- comparison between center_based care and home-based care for different child category
- Unemployment Rate over time
 - Unemployment rate by gender and age group
 - Unemployment rate correlation and childcare costs
- Correlation between childcare costs, population size, and household income
- Median County Childcare Price by age of children, care setting, and county population size
- Infant center-based care by county size

Child Categories and care settings



Infant (0-23months)



Toddler (24-35months)



Preschool (36-54months)



Center-based care

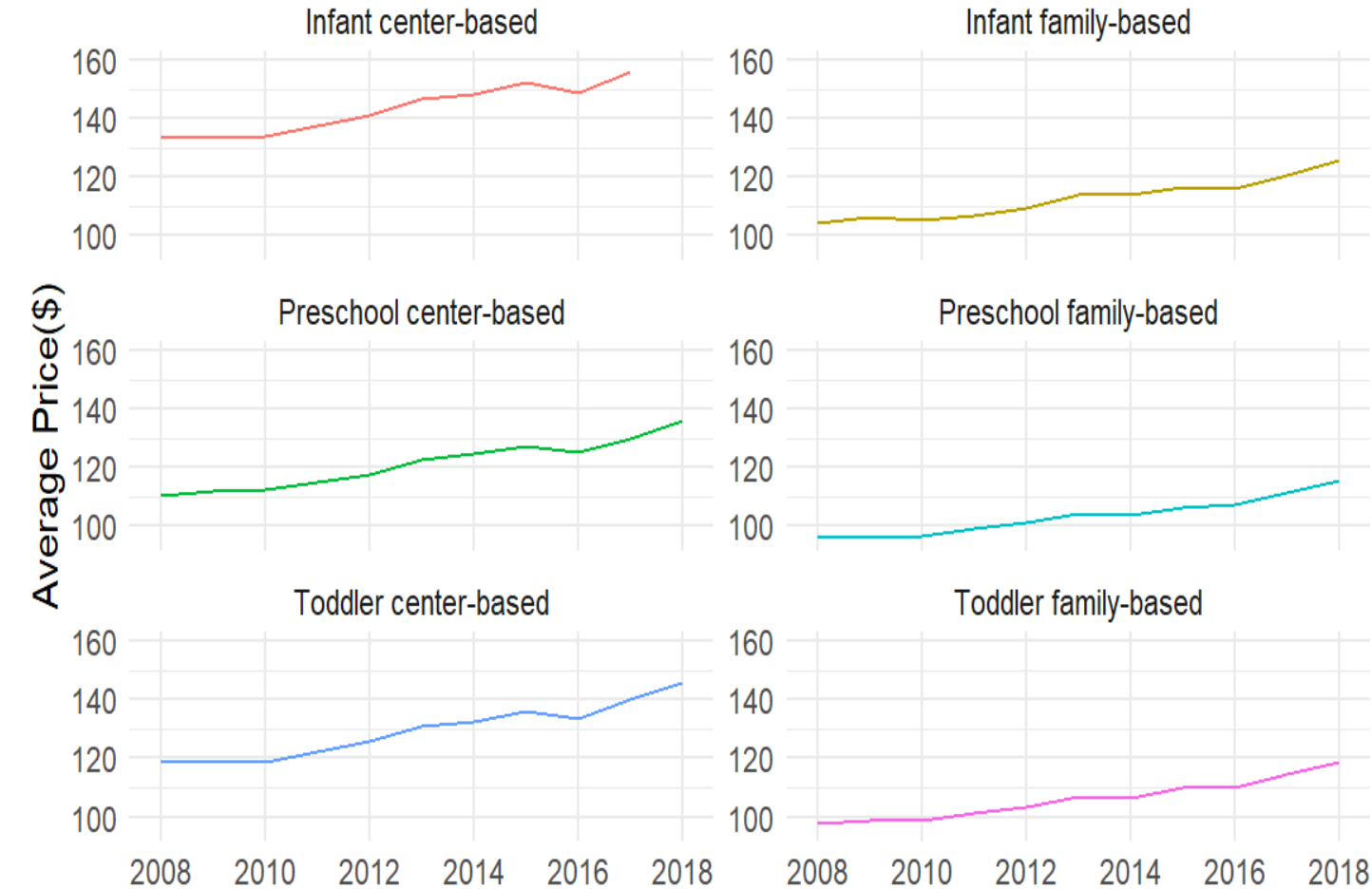


Home-based care

Childcare Costs Over Time in USA(2008-2018)

Childcare costs over time in USA

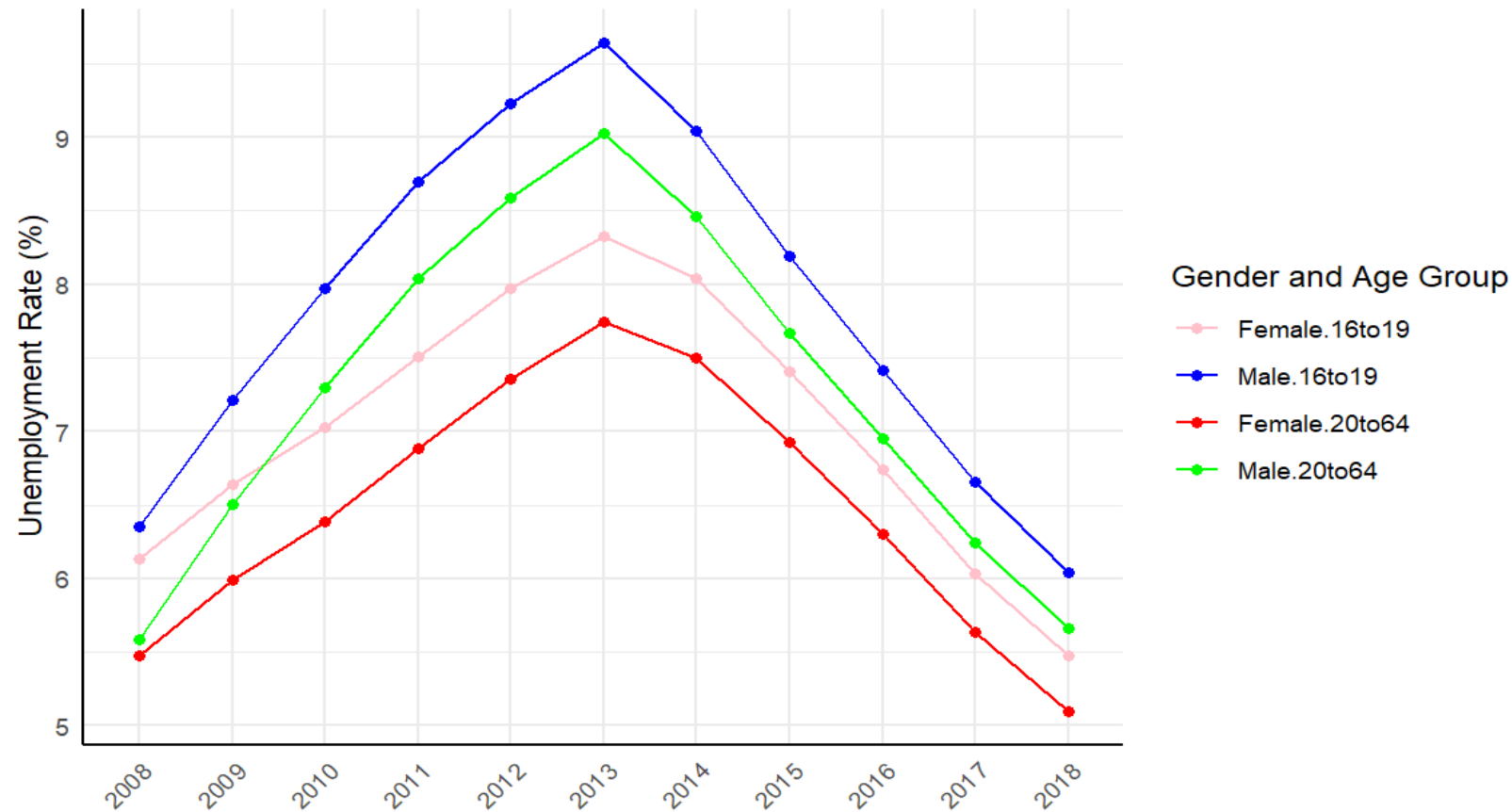
Center-based care and home-based care



- Both care settings increases as time goes on
- In both setting and different age groups, the family-based appears to be lower than the center-based
- Infant center > Toddler center > Preschool center
- Infant family > Toddler > Preschool

Unemployment Rates Over Time in USA (2008-2018)

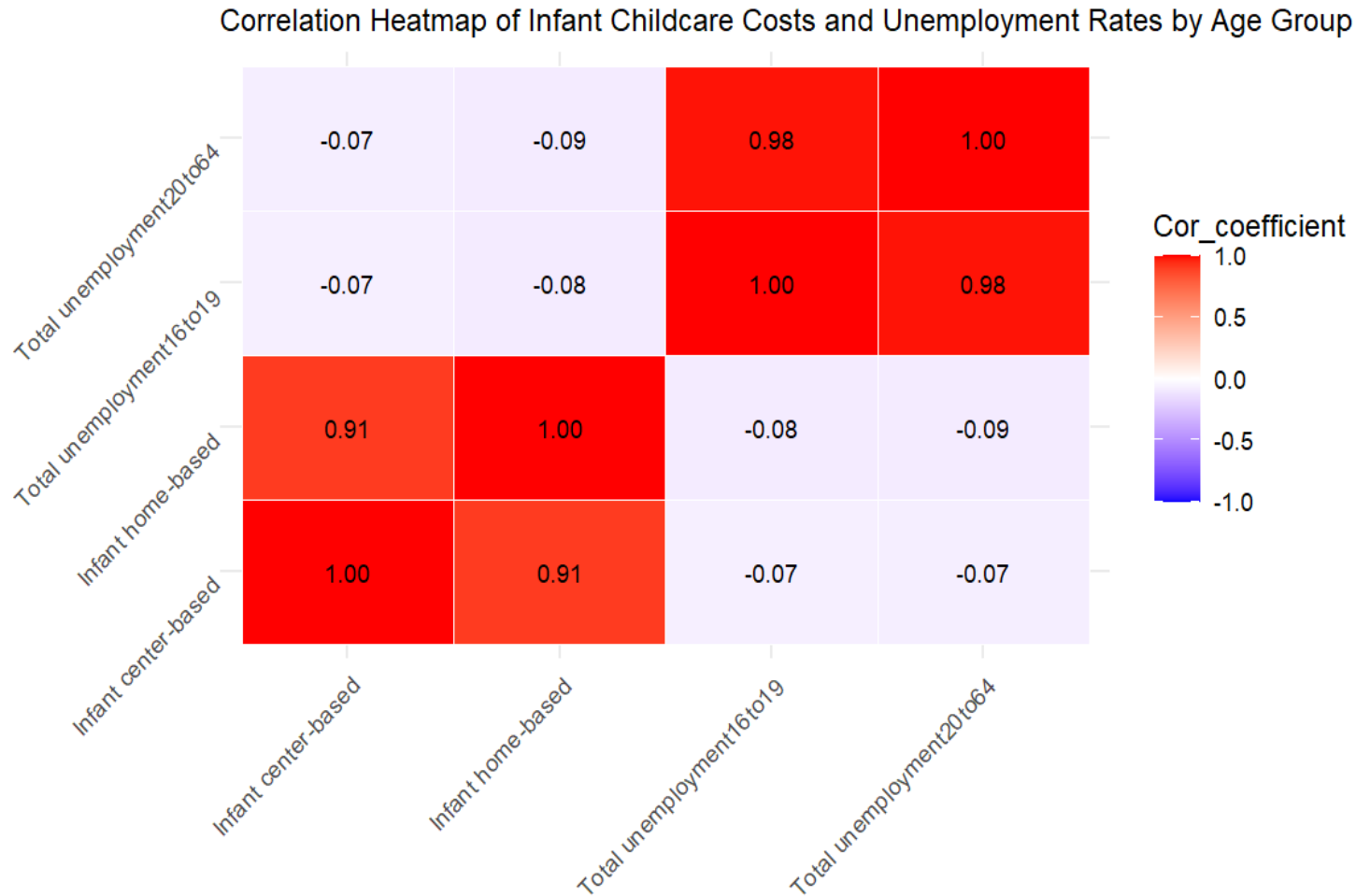
Unemployment Rate Over Time by Gender and Age Group



- Gender and age groups follow the same trend over time.
- Unemployment rates increases around 2009-2013
- Peaks at 2013, followed by a decrease in unemployment rates for all age group
- In both age groups, male unemployment rate are higher than female rates
- Age groups 20to64 appear to have lower rates than 16to19

Do the unemployment rate have an impact on childcare costs?

Unemployment Rate and Childcare costs (Infant care settings)

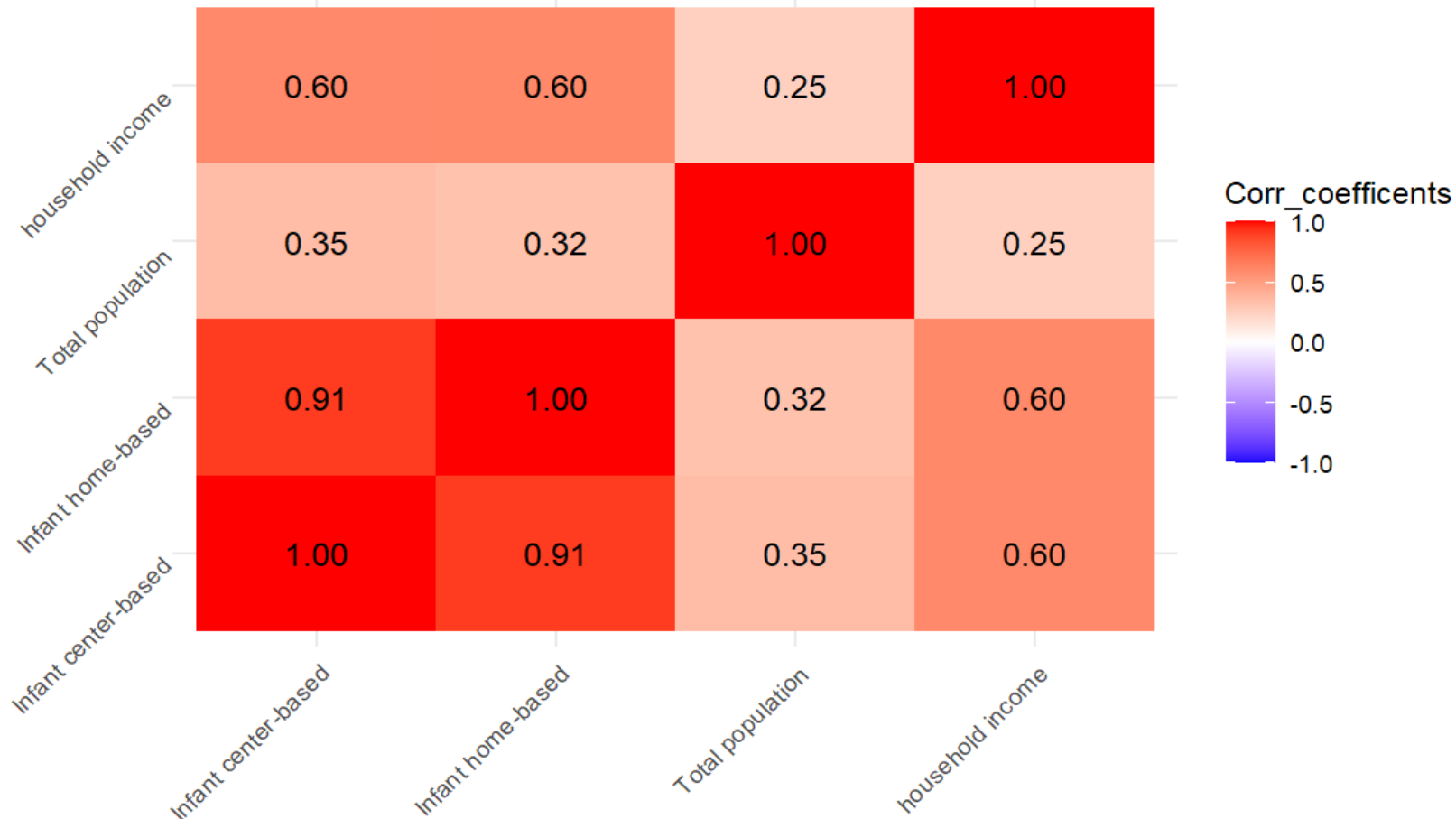


- There are several cells with values close to zero, suggesting no correlation between corresponding variables.
- Diagonal from bottom left to top right shows perfect correlation
- The infant care settings shows negative (close to zero) correlation with unemployment rates

So we can conclude that there's almost no correlation between childcare costs and unemployment rates. What about population size and household income?

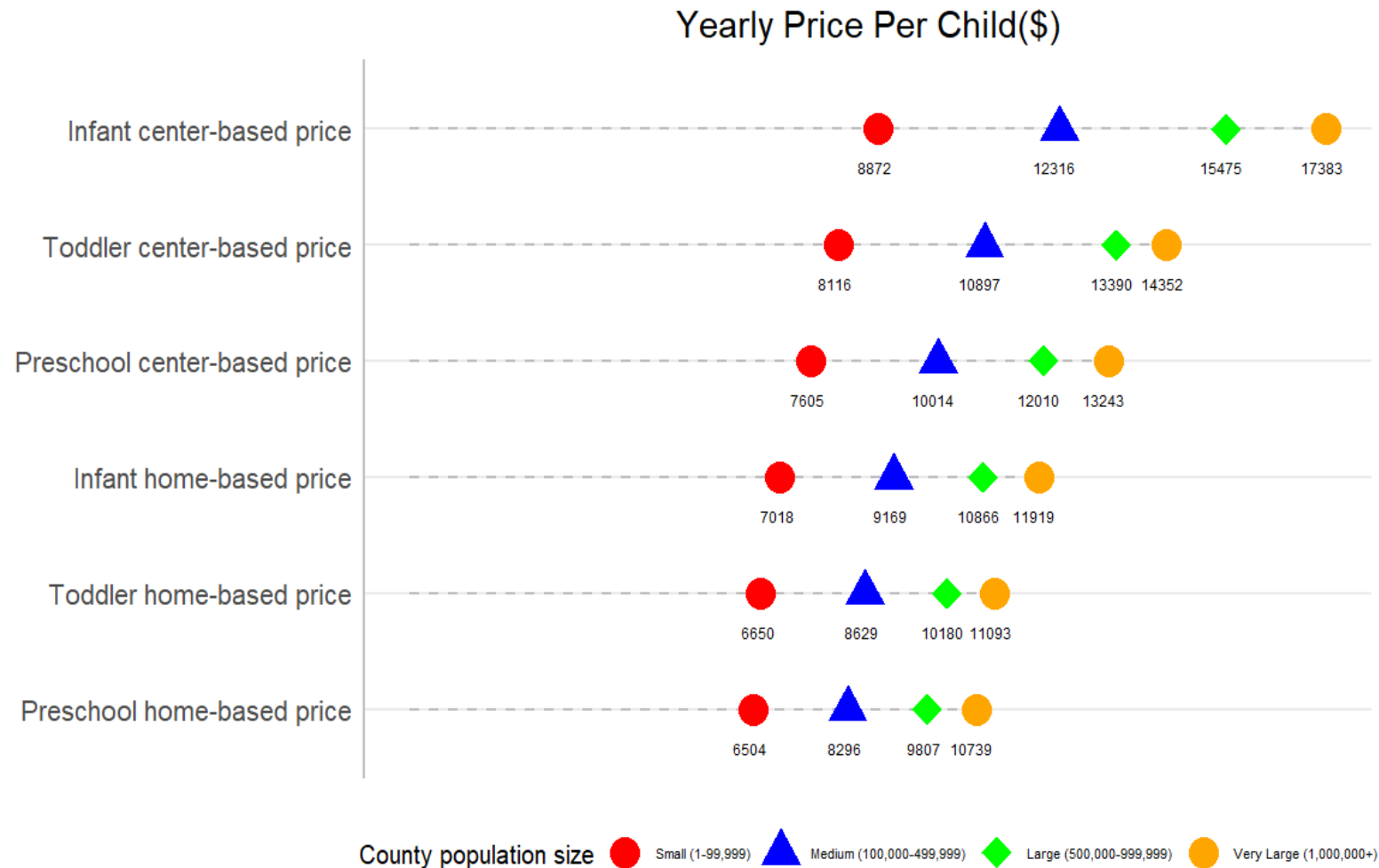
Population size, Household income, and Infant care settings

Correlation between Infant Childcare Costs, Population Size, and MHI 2018



- Both Infant care settings show a positive correlation with the total population and household income
- Household income is strongly correlated to care settings compare to total population

County Childcare Price by Age Group, Care Settings, and County Population Size

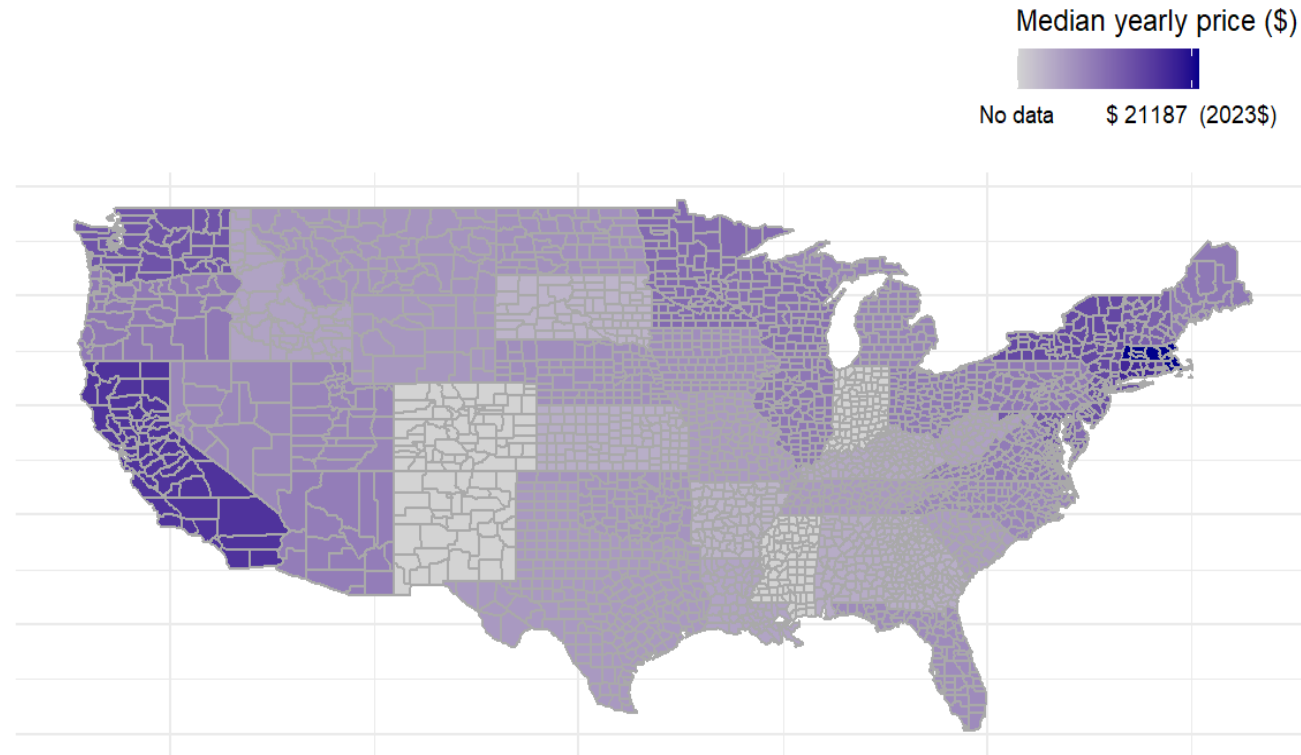


- Larger counties tend to have higher childcare costs
- Center-based care tends to be more expensive than home-based care, particularly in larger counties

Infant Center-based Prices by County Size (2016-2018)

Infant center-based care prices by county (2016-2018)

Median Prices



Areas marked with "No data" indicate regions where information on childcare costs is not available

- Darker shades likely represent higher median yearly prices, indicating that childcare costs can vary significantly based on location
- Higher childcare costs in certain counties may have implications on county size as well as family income

Acknowledgment

I will like to Thank Dr. Roland for his valuable guidelines throughout this course

Thank you for your attention