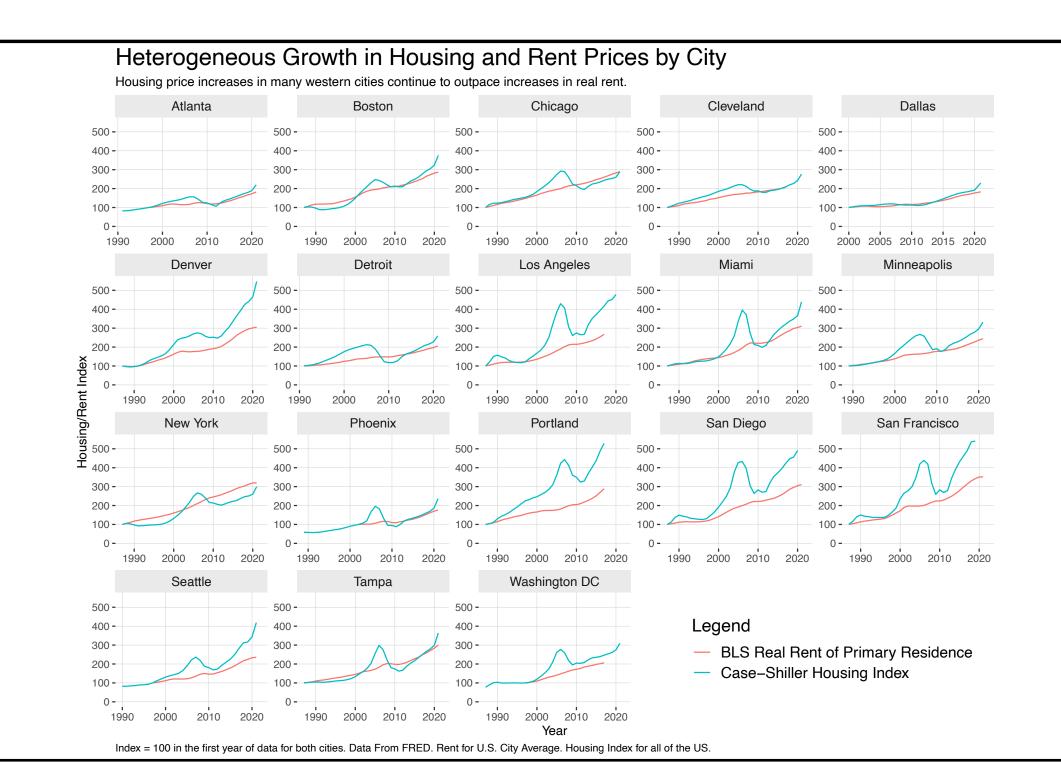
Economic Question 1: Did real home prices realign with real rent prices after the Great Recession?

- Economic theory suggests that real rent and housing prices should track each other (Shiller 2006).
- Between 1997 and 2005, Shiller (2006) found housing prices to have spiked and anticipated that they would fall shortly thereafter.

Economic Question 2: Is there heterogeneity in housing and rental price changes by city, and has this pattern changed over time?

• Counties that experienced larger declines in housing net worth in 2006-2009 also experienced larger declines in non-tradable employment, suggesting declines in housing values were an important driver of the Great Recession (Mian and Sufi, 2013).



My Extensions:

- Replicate Shiller's chart with data through 2021
- Expand Shiller's analysis to the metropolitan scale
- Assess extent to which the divergence in housing and rental prices was associated with declines in housing values: $\Delta HNW_{2009 \, \, 2006} = \beta_0 + \beta_1 \frac{Housing \, Index_{2006}}{Rent \, Index_{2006}} + \epsilon$

Data:

Name	Source	Method Accessed
Case Shiller Housing Index	S&P CoreLogic	fredr R package
CPI Real Rent of Primary	Bureau of Labor	fredr R package
Residence	Statistics	
Change in Housing Net Worth '06 – '09	Sufi and Mian (2014)	Mian's website
2005-2009 Housing Units by County	5-year ACS	tidycensus R package
County CBSA Delineation Files	U.S. Census Bureau	Census Bureau Website

Limitations

- Some city-level data ended before 2022.
- Imprecise mapping between CBSA and county.
- 18 cities does not provide much heterogeneity.
- Other ACS data only begins in 2005.

