

Exploring Rent Burden in US Metropolitan Areas

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Data Visualization, Spring 2018

OVERVIEW

- Problem Statement
- Design Decisions
- Final Result
- Visualizations
- Questions



PROBLEM STATEMENT

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- Urban population has increased over the years
 - ▷ By 2007, 35 million household were under Rent Burden (81M people)
- Create a map with the 10 most populous metro areas to visualize
 - ▷ Rent prices over time
 - ▷ Rent burden over time

DATA

- Zillow
 - ▷ Median Rent
 - ▷ Available for 2010 - 2018
- US Census Bureau
 - ▷ Gross Rent as % of Household Income (>35%)
 - ▷ Available for 2009 - 2016

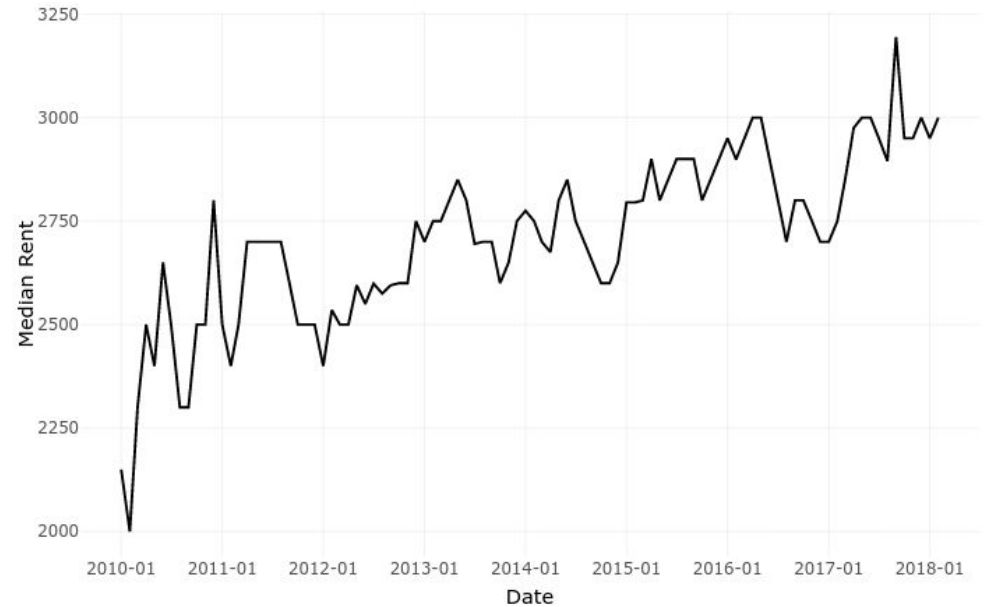


DESIGN DECISIONS

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Clarity

- Easy to understand
- Reduce information overload

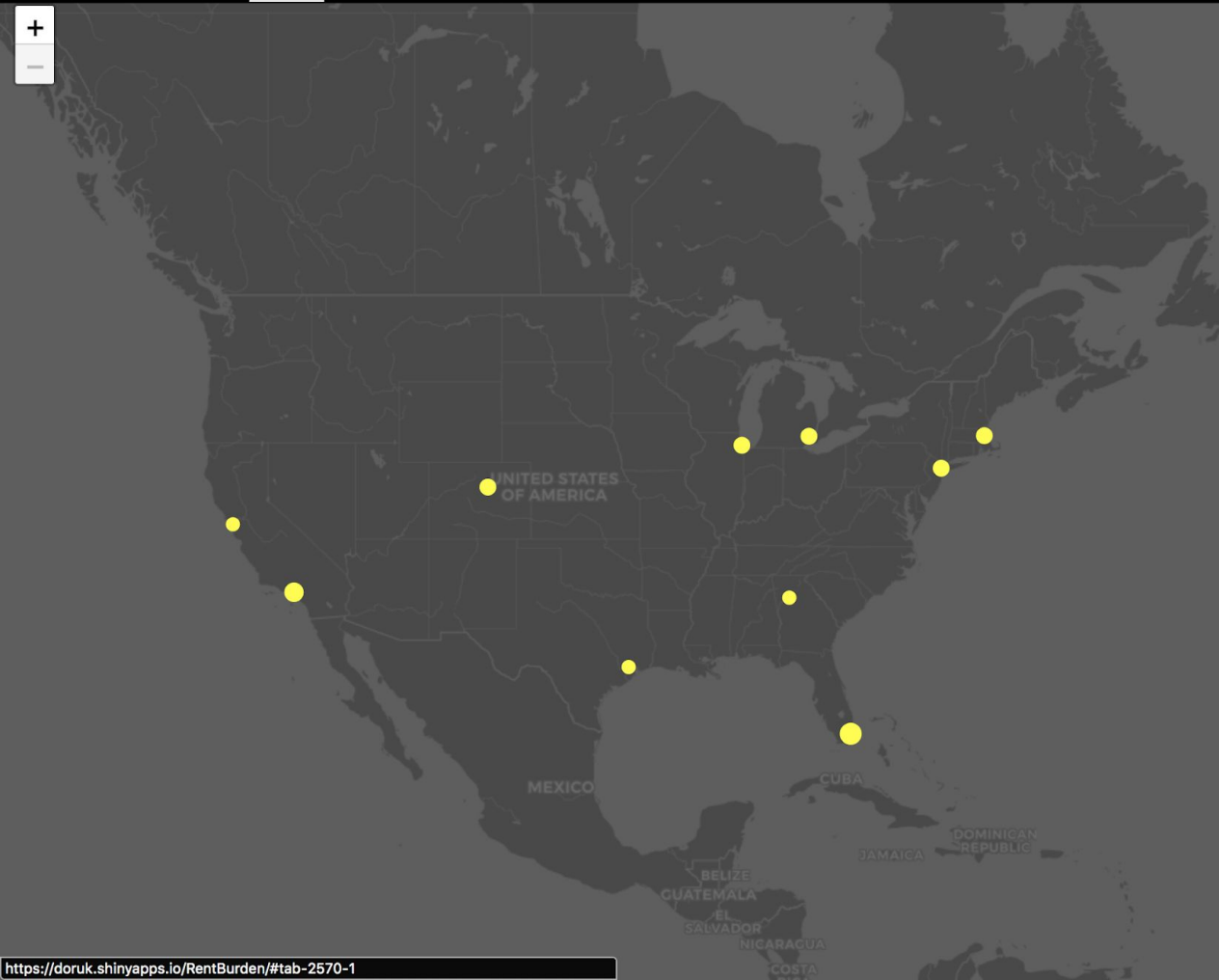


DESIGN DECISIONS

Interactivity

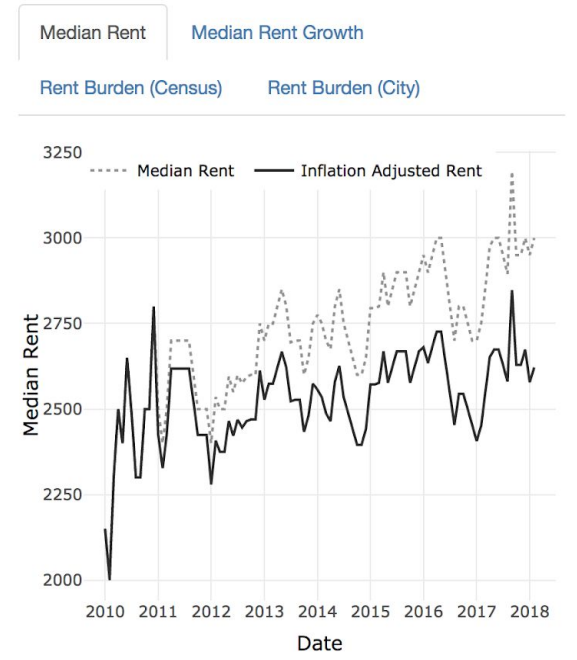
- Access to information
- Tooltips

Date: 2015-05
Median Rent: \$3000
City: San Francisco, CA



New York City

New York City is, perhaps unsurprisingly, one of the highest ranking cities in the country when it comes to rent burden. The rent burden has been steadily increasing over the past few years, and only very recently it seems to have plateaued. The damage, however, is done, as some estimates even place the households with rent burden [above 50%](#). The median rent continues to show an upward trend, while wages [fail to keep up](#) with that trend, and affordable housing developments [continue to elude New York](#).





VISUALIZATIONS

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<https://doruk.shinyapps.io/RentBurden/>



THANKS!

Any questions?