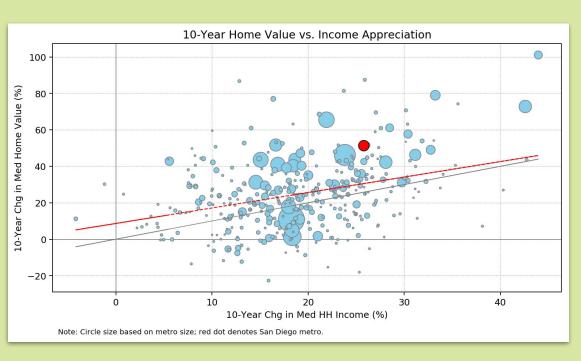
Comparison and Assessment of Housing and Income Appreciation Over The Past Decade



- 1. How have housing prices recovered/increased in relation to the median household income in the US since the Great Recession?
- 2. How affordable is the San Diego area when compared to other metros across the nation?
- 3. In which San Diego County zip code areas would it be best to invest in a single-family home?

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#### 10-Year Home Value vs. Income Appreciation

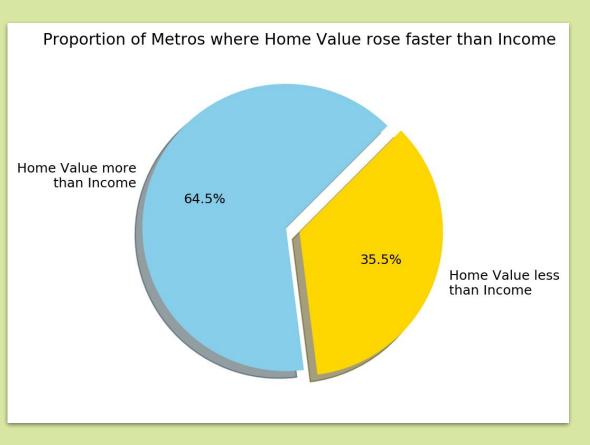


The San Diego MSA is noted above in red. It is the nation's 17th largest metro with a population of 3.3 million.

San Diego saw a 10-year growth in home values of 51.3% and median HH income of 25.8%.

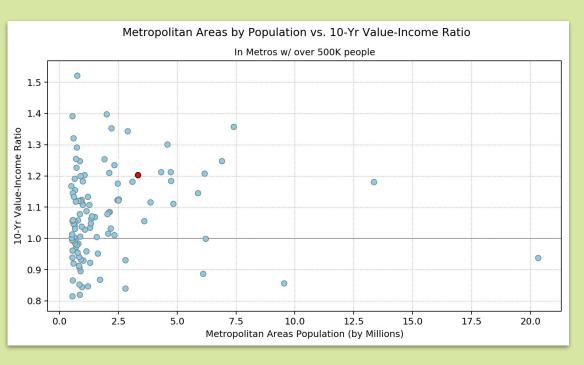
- The percentage change in median home value is compared the percentage change in median household income over a 10-year period.
- The plotted metros are a sample of 369 metropolitan statistical areas (MSAs).
- The scale of each point is based on the metro population size.
- The San Diego metro is noted in red.
- The gray line shows where income and home value have increased at the same rate (i.e. x=y).
- The red regression line shows the fit which nearly follows a one-to-one overall trend with home appreciation slightly more than income appreciation.

### 10-Year Home Value vs. Income Appreciation



- Most metros tended to have greater home vs. income appreciation.
- Of the 369 metros, nearly two-thirds (238) experienced home values increasing faster than median HH income.
- Home appreciation tended to surpass income appreciation in most of the largest metros.
- 19 of the largest 25 metros had greater home appreciation, 5 had greater income appreciation, and Washington DC appreciated equally.
- New York (10.8% v 18.3%), Chicago (1.3% v 18.4%), and Philadelphia (4.9% v 18.3%) were notable exceptions.

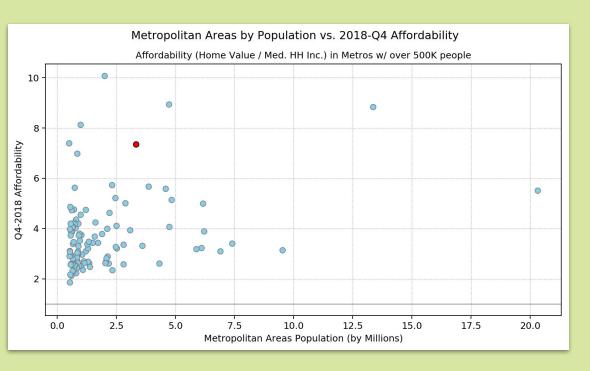
#### Home Value vs. Income Appreciation by Metro Size



- We compared the ratio of home value vs. income based on metro size.
- Only larger metros with a population of 500,000 or more are included - a total of 107 metros.
- The US average is 1.05, nearly equal appreciation nationally.
- The US average his is based on the entire population of 933 metros.
- New York MSA is on the far right with a 20.3 million population and a 0.94 ratio.
- San Diego MSA shown in red ranked
  20th across all metros with a 1.20 ratio.
- This put San Diego in the top quintile for larger metros.

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### Current Home Affordability by Metro Size

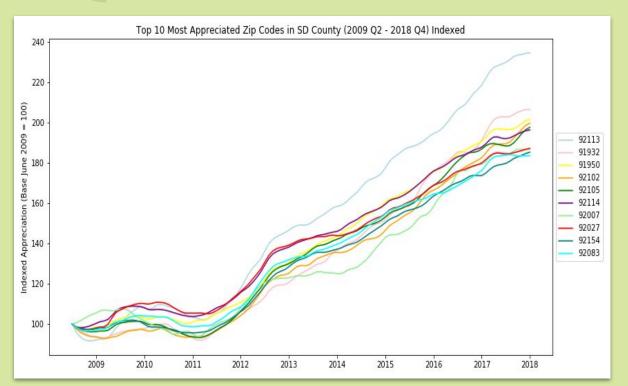


- We compared current affordability (Q4 2018) in the largest metros.
- Affordability is defined as a ratio of current home value over current median HH income.
- The US average of 3.54 means that home values are 3.54 times greater than annual income.
- Of the 107 largest metros, San Diego ranked 6th with 7.36.
- San Jose (10.08), San Francisco (8.94),
  Los Angeles (8.84), and Honolulu (8.13)
  were the least affordable.
- Metro size was a significant factor with Los Angeles (2nd), San Francisco (11th), and San Diego (17th) amongst the most populous metros.

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### Top 10 Appreciated Zip Codes in SD County (Indexed)

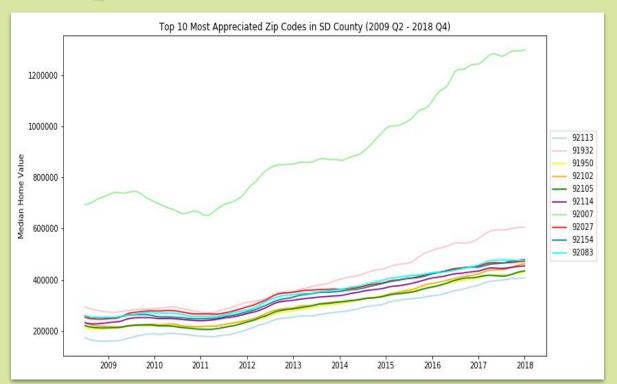
(2009 Q2 - 2018 Q4)



- Compared 87 of the zip codes in SD County
- Queried the most appreciated zip codes in SD County since the end of the Great Recession
- Graphed top 10
- Indexed them with base = 100
- 92113 had highest appreciation rate

### Top 10 Appreciated Zip Codes in SD County

(2009 Q2 - 2018 Q4)

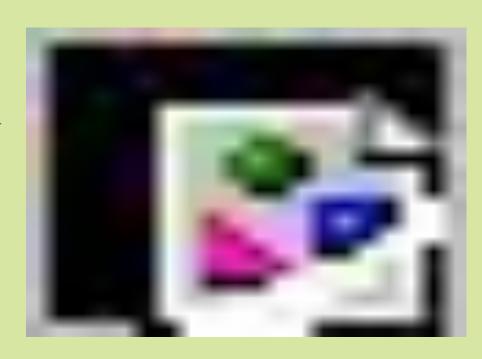


- Looked at Median Home Value vs.
  Time from end of Great Recession to now
- Encinitas, 92007, was the outlier due to the high cost of housing (ranked 7 for appreciation)
- Barrio Logan / Logan Heights / SE
  SD area, 92113, has lowest cost of housing (highest appreciation rate)

#### Top 10 Appreciated Zip Codes in SD County

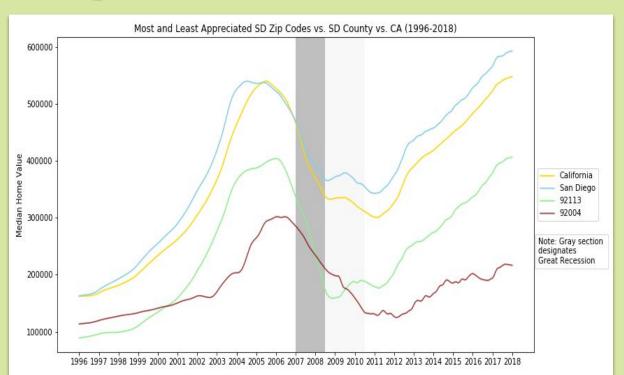
(2009 Q2 - 2018 Q4)

- 92113 Barrio Logan, Logan Heights, and part of SE SD
- 91932 Imperial Beach
- 91950 National City, Chula Vista, Lincoln Acres
- 92102 Stockton, Grant Hill, Mount Hope, Southpark, Webster
- 92105 Islenair, Ridgeview, Castle
- 92114 South Encanto, North Bay Terraces, Alta Vista, Lomita
- **92007 -** Encinitas
- 92027 Escondido, Valley Center
- 92154 Imperial Beach, Chula Vista
- 92083 Vista



#### Highest and Lowest Appreciated ZIP Codes in SD County

Compared to County and State Before, During, and After the Great Recession (1996 Q12 - 2018 Q12)





92113 (Barrio Logan and part of South Eastern San Diego)



92004 (Borrego Springs)

# Future Analysis

- Ranking school district test scores/performance
- Number of parks
- Low crime rate
- Proximity to natural landmarks (beach/mountains/lakes)