

Explore Culturally Relevant Data through a Map of Segregation and Redlining

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New York Time Website:

https://www.nytimes.com/interactive/2015/07/08/us/census-race-map.html?_r=1

R Shiny to Perform Chi-Square Goodness of Fit Test:

<https://gato365.shinyapps.io/uscots/>

Video of Presentation:

<https://youtu.be/QsvE3lScHyk>

Map of Segregation Activity



NYC has 5 boroughs (mini cities):

- Manhattan
- Staten Island
- Bronx
- Brooklyn
- Queens

1. What else do you know?

2. Go to the NY Times website posted on Canvas. You may have to create account and log in into NY times. It is OK we will only use this website today.

3. When was this article released?

4. Which year was this data gathered from?

5. What is this a map of?

6. Which races are in the legend?

7. What happens when you zoom in and out of the map?

8. Zoom to the bottom tip of Manhattan, so that you can focus on census tract 000900. Answer the following questions base on census tract 000900:

- What percent are Black?
- What percent are Hispanic?
- What percent are Asian?
- What percent are White?
- What percent are Other?

How many people live in this census tract?

9. Zoom out What pattern do you notice in Brooklyn?

10. What patterns do you notice in Manhattan?
11. What census tract seems to be the very diverse in in Manhattan?
12. What census tract seems to be the least diverse in in Manhattan?
13. Lets focus on all 5 boroughs of NYC. Pick 4 census tracts that seems to be very diverse in terms of race and provide the percentage breakdown of the race for all four tracts. Make sure the four are clearly different regarding diversity with different races.
14. The breakdown of the country race demographics is 63.4 % White, 15.3 % Hispanic and Latino (of any race), 13.4 % Black, 5.9 % Asian, and 4.2 % other (this data is from Wikipedia https://en.wikipedia.org/wiki/Race_and_ethnicity_in_the_United_States). Can you find a census tract that is similar to this breakdown? Provide the census tract and the percentage breakdown of the race in NYC.