

Notebook

April 2, 2021

Let's explore the above photo, which details the neighborhoods of Richmond, Virginia and their tree coverage. This photo is adapted from the New York Times' recent article titled *How Decades of Racist Housing Policy Left Neighborhoods Sweltering*, published in August of 2020. Redlined areas are highlighted in the image above and are often denied banking and mortgage services, such as *loans* to purchase homes.

Warm-Up Question: What patterns do you notice? Why do you think this pattern occurs? How do redlined neighborhoods relate to racist housing policies and the environment? Hint: Take a look at the areas surrounding downtown and compare their tree coverage to the outer layer of suburbs.

Write your answer here, replacing this text

Question 2.1.1: Locate Berkeley on the map above. What do you notice about UC Berkeley? What grades do areas in the city of Berkeley have (Northside, Southside, Downtown), and why do you think this is the case? What factors may separate these areas from the rest?

Write your answer here, replacing this text.

Question 3.1.1: Looking at the first row in the table. What does a tree canopy count_squares of 7737 indicate for Oakland? What does a tree canopy sum_treeCov of 22.814 indicate? Are these significant given that this area is in an A-HOLC grade area?

Write your answer here, replacing this text

Question 3.2.1: What are possible implications for neighborhoods in different HOLC areas in regards to average tree canopy coverage percentage?

Write your answer here, replacing this text

Question 4.1.1: Based on the city you selected, what patterns do you notice from your plot above? (Note: please clearly state the city you chose.)

Write your answer here, replacing this text

Question 4.1.2: Select San Francisco from the drop-down menu. Are there any areas where the association between HOLC grade and Tree Canopy coverage is contradictory? Why do you think this is?

Write your answer here, replacing this text

Wrap-Up: Given what was covered in this notebook, do you believe that the relationship between HOLC grades and Tree Canopy data holds for other states? To what extent could social and racial inequalities be explained through the environment?

Write your answer here, replacing this text

Feedback: What was one aspect of the notebook that you found enjoyable? What aspect would you change?

Write your answer here, replacing this text