

Racial and Ethnic Composition of an Urban ZCTA and Census Tracts

Data Analysis Module, Pt. 2

In Part 1 of this module, you examined the income distribution and racial/ethnic makeup of 45223 (Northside neighborhood in Cincinnati, Ohio). Now we will explore how these distributions are organized spatially *within* the ZCTA by examining the data at the census tract level.

Remember that because ZCTAs are based off of the postal service's boundaries, census tracts often overlap with ZCTA boundaries. We will examine 2 census tracts that comprise this area. The ZCTAs are outlined in yellow; the census tracts are outlined in gray.



1. Follow steps 1-4 in Module 1, Part 1 only this time select “Census Tract” instead of ZIP Code.
2. Select “Ohio” for the state; “Hamilton” for the county.
3. Add tracts 73, 74, 75, 77, 78, 79, 84, 85.01, and 85.02 to the selections.
4. Now we are ready to choose variables. Click “Proceed to Tables.”
5. Since we are interested in the racial/ethnic makeup and income distribution of these census tracts, we need to find these variables again.
6. Select **T14. Hispanic or Latino by Race**. Once the variable is highlighted, click “Add” to add it to our selection. Repeat this for **T56. Household Income (In 2014 Inflation Adjusted Dollars)** and **T58. Median Household Income By Race (In 2014 Inflation Adjusted Dollars)**. You should have three items in your selection.
7. Now click “Show Results.”
8. Fill in the following tables. In each cell list the percentage and frequency. The percentage should be on top and the frequency on bottom in parentheses. (Hint: see the bottom row.) The third table is of average household income, not frequencies. In order to see all census tracts, click “next” at the top of the screen.
9. Write a brief description of patterns you notice after each table. (3-4 sentences)
Things to write about: Which group(s) have the biggest proportion in each census tract? In which tracts are minority groups concentrated? How is income distributed throughout the area? How are income and race/ethnicity related to one another across space?

Racial and Ethnic Makeup of 45223 Census Tracts

	Tract 73	Tract 74	Tract 75	Tract 77	Tract 78	Tract 79	Tract 84	Tract 85.01	Tract 85.02
Non-Hispanic Black									
Non-Hispanic White									
Hispanic/Latino of any race									
Other									
Total	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)

Description:

Income Distribution of 45223 Census Tracts

	Tract 73	Tract 74	Tract 75	Tract 77	Tract 78	Tract 79	Tract 84	Tract 85.01	Tract 85.02
Under \$50,000									
\$50,000-99,999									
\$100,000-199,999k									
\$200,000 and up									
Total	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)	100% (n=)

Description:

Average Household Income by Race of 45223 Census Tracts

	Tract 73	Tract 74	Tract 75	Tract 77	Tract 78	Tract 79	Tract 84	Tract 85.01	Tract 85.02
Non-Hispanic Black									
Non-Hispanic White									
Hispanic/Latino of any race									
Other									
Average Household Income	\$	\$	\$	\$	\$	\$	\$	\$	\$

Description:

What are advantages to using a smaller geography (census tracts rather than ZCTAs) in examining these variables? Are there any disadvantages? If so, what are they?