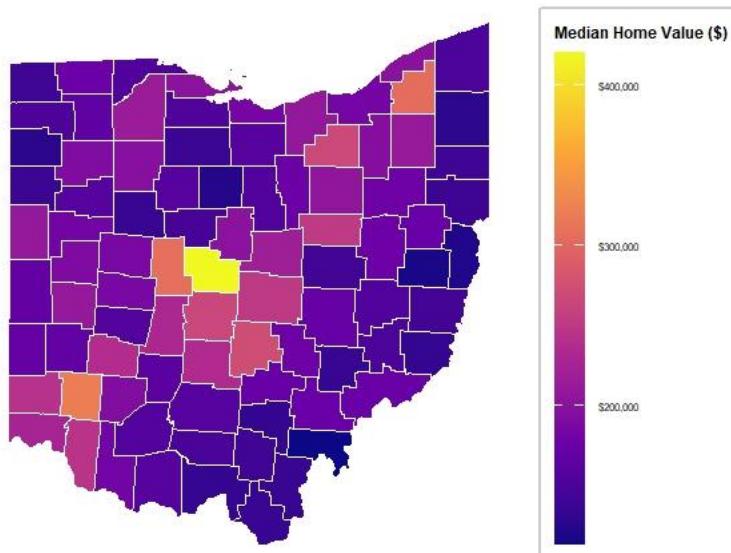


Assignment 3: Mapping Census data

- 1) Map: choropleth of one variable (with a clear legend and title).

Median Home Value in Counties of Ohio

Higher values indicate more expensive housing markets.



Source: U.S. Census Bureau via tidycensus

Median home values are highest in urban and suburban counties such as Delaware, Franklin, Hamilton, and Cuyahoga, while rural southeastern counties show much lower values. This pattern reflects stronger housing demand around metropolitan areas.

- 2) Table: top/bottom 10 areas by the other variable (include MOE).

Table 1: Top 10 Ohio Counties by Percent Bachelor's Degree or Higher

NAME	Percent Bachelors+	MOE Bachelors+	geometry
Delaware County, Ohio	58		1.2 list(list(c(-83.249591, -83.249523, -
Warren County, Ohio	45.7		1 list(list(c(-84.365232, -84.345608, -
Franklin County, Ohio	42		0.5 list(list(c(-83.260877, -83.258553, -
Hamilton County, Ohio	41.4		0.5 list(list(c(-84.8201490142937, -
Greene County, Ohio	41.3		1.3 list(list(c(-84.113747, -84.113333, -
Union County, Ohio	39.1		1.7 list(list(c(-83.548306, -83.545567, -
Geauga County, Ohio	38.7		1.5 list(list(c(-81.391934, -81.391907, -
Wood County, Ohio	37.4		1.2 list(list(c(-83.8835, -83.883335, -
Medina County, Ohio	36.2		1.1 list(list(c(-82.171492, -82.171355, -
Cuyahoga County, Ohio	35.9		0.5 list(list(c(-81.970965, -81.970863, -

Delaware, Franklin, Hamilton, Warren, and Geauga lead the state with the highest percentage of adults holding a bachelor's degree or higher. These counties are largely urban or suburban with strong job markets and higher incomes.

Table 02: Bottom 10 Counties by Educational Attainment

NAME	Percent Bachelors+	MOE Bachelors+	geometry
Monroe County, Ohio	10.7		2 list(list(c(-81.318244, -81.317871, -
Holmes County, Ohio	11		1.5 list(list(c(-82.221118, -82.220672, -
Meigs County, Ohio	11.8		1.9 list(list(c(-82.322874, -82.321256, -
Harrison County, Ohio	13		2.2 list(list(c(-81.338064, -81.337524, -
Marion County, Ohio	13.7		1.2 list(list(c(-83.420251, -83.419828, -
Noble County, Ohio	13.7		2.2 list(list(c(-81.697442, -81.694815, -
Fayette County, Ohio	13.8		2 list(list(c(-83.665343, -83.663522, -
Carroll County, Ohio	14		2.4 list(list(c(-81.321006, -81.319138, -
Morgan County, Ohio	14.2		2.6 list(list(c(-82.079814, -82.079306, -
Williams County, Ohio	14.2		1.3 list(list(c(-84.8060496362353, -

Appalachian counties such as Vinton, Meigs, Adams, and Scioto rank lowest, with many below 20% attainment. These areas are predominantly rural and have fewer higher-education opportunities.