Hypothesis has interdependent components and is testable, in this case through visualization.

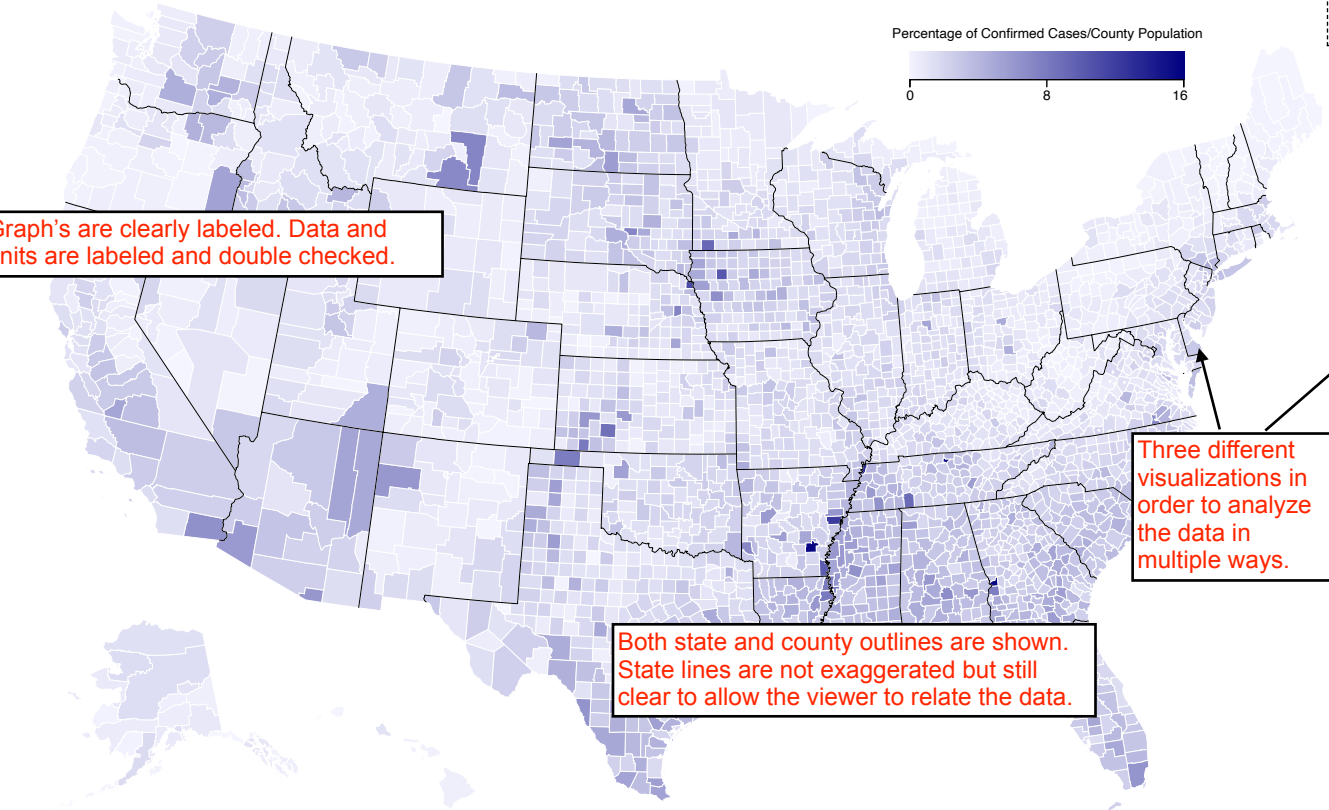
An explanation of how the percentage of confirmed cases per capita was extrapolated is provided to be ambiguous. This explanation is at the top of the page so that the viewer reads before getting too far into viewing the visual.

The number of confirmed COVID-19 cases per capita for each US county is with a larger population size than for those with a smaller population size.

Interactive map shows the county name, state, number of cases and percentage of cases per capita.

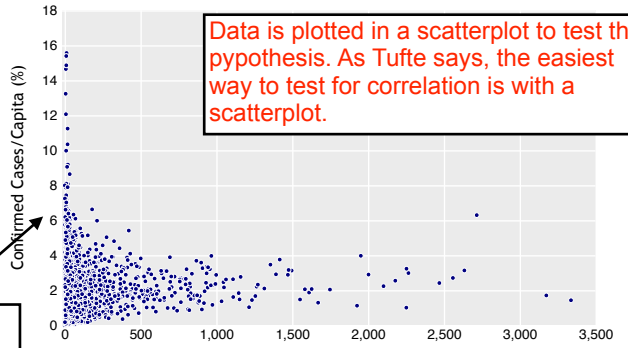
Color scale is selected to not exaggerate small values too much. Color blind accessible. Legend is visible.

Covid-19 cases per capita is determined by calculating the percentage of confirmed cases for a county (as of October 1, 2020) to the total number of residents in the county.



Graph's are clearly labeled. Data and units are labeled and double checked.

County Size vs Cases per Capita



Data is plotted in a scatterplot to test the pypothesis. As Tufte says, the easiest way to test for correlation is with a scatterplot.

Three different visualizations in order to analyze the data in multiple ways.

Scatterplot data points are interactive so the viewer can look at the values for each data point.

Both state and county outlines are shown. State lines are not exaggerated but still clear to allow the viewer to relate the data.

U.S. Counties with Highest Percentage of Total Cases Per Capita

County Name	Number of Cases	Population Size	Cases/Population
Lincoln County, AR	2026	13024	15.56%
Chattahoochee County, GA	10907	1678	15.38%
Trousdale County, TN	11284	1676	14.85%
Lafayette County, FL	8422	1233	14.64%
Lake County, TN	7016	928	13.23%

Used the AlbersUSA projection to neatly map the US without Alaska taking over the visual as the data is not visually significant.

US Albers projected shapefile retrieved from "https://github.com/topojson/us-atlas" on October 13, 2020. This shape file is one of many pre-projected shapefiles from the US Census Beueau's cartographic boundary shapefiles.

Data on the number of known Coronavirus cases by county and county population data retrieved from "usafacts.org" on October 13, 2020. Data used was the total number of known cases from January 22, 2020 - October 1, 2020.

Chose a large dataset, counties instead of by state, to more clearly visualize the possible trend.

Visualization is pleasing to look at. Design is kept consistent (same font family and sizes for similar components, and the same colors are used throughout).

Used a table to show that even though there isn't a distinct relationship, you can see that the counties with the highest percentage of cases/population size are counties with a relatively small population size.