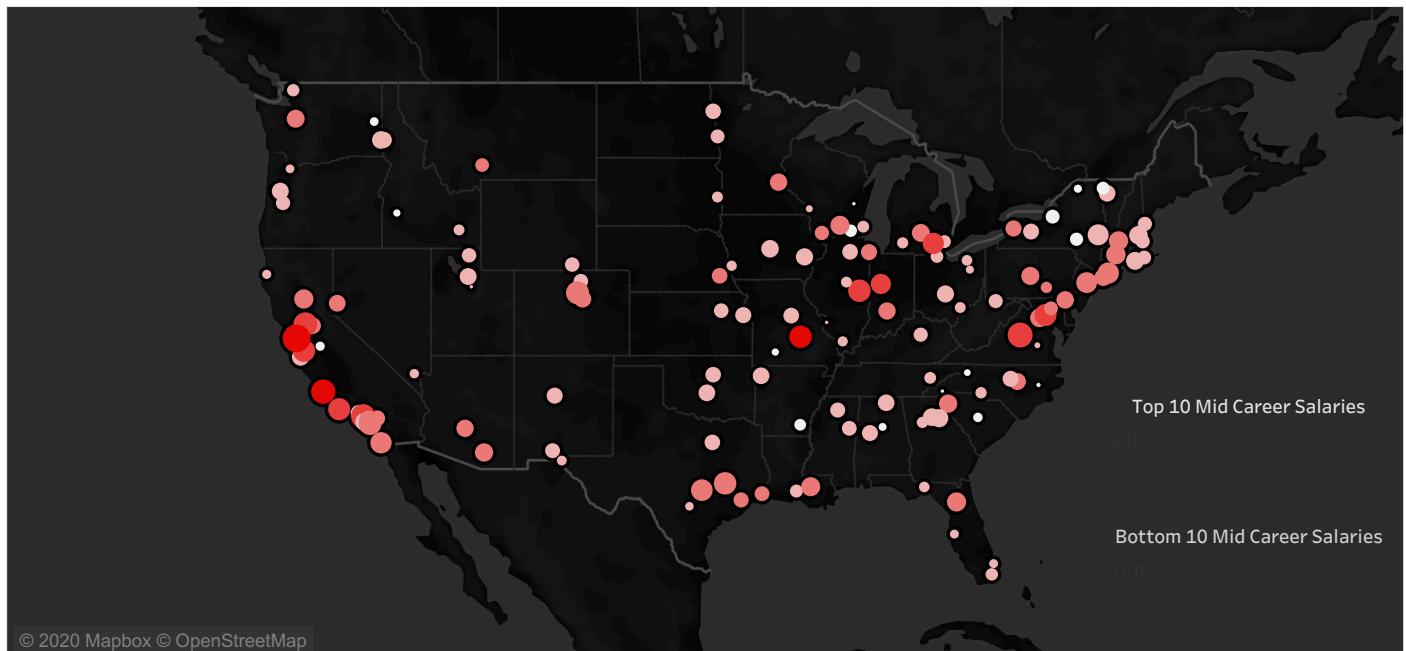


Dot Map: Starting Average Salaries and Mid-Career Average Salaries



By using a dot map, I was able to create a demographic image to help identify which parts of the country had state schools with the highest salaries and which they might be. Each dot is sized in accordance to their mid-career salaries (larger dot indicates larger salary) and colored in accordance with their starting salary (darker dot indicates larger salary). With this data, I can infer that schools on the west coast, specifically California state schools, and schools on the east coast and Midwest tend to have the largest starting and mid-career salaries.

Linear Scatterplot: Starting Salaries and Mid-Career Salaries



When formatting the data with linear regression, I am able to determine the accuracy of the average starting salaries and average mid-career salaries ability to predict possible outcomes. With this graph, I am also able to identify if a variable is significant in predicting possible outcomes.

Logarithmic Scatterplot: Starting Salaries and Mid-Career Salaries



I used a logarithmic scatterplot in hopes of showing the best fit for the data. This scatterplot shows curvature in a way that best represents the average starting median salary and average mid-career median salary in the most appropriate way possible.