

# Data Exploration Through Tableau

## State Government Finances(1992-2019)

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# About

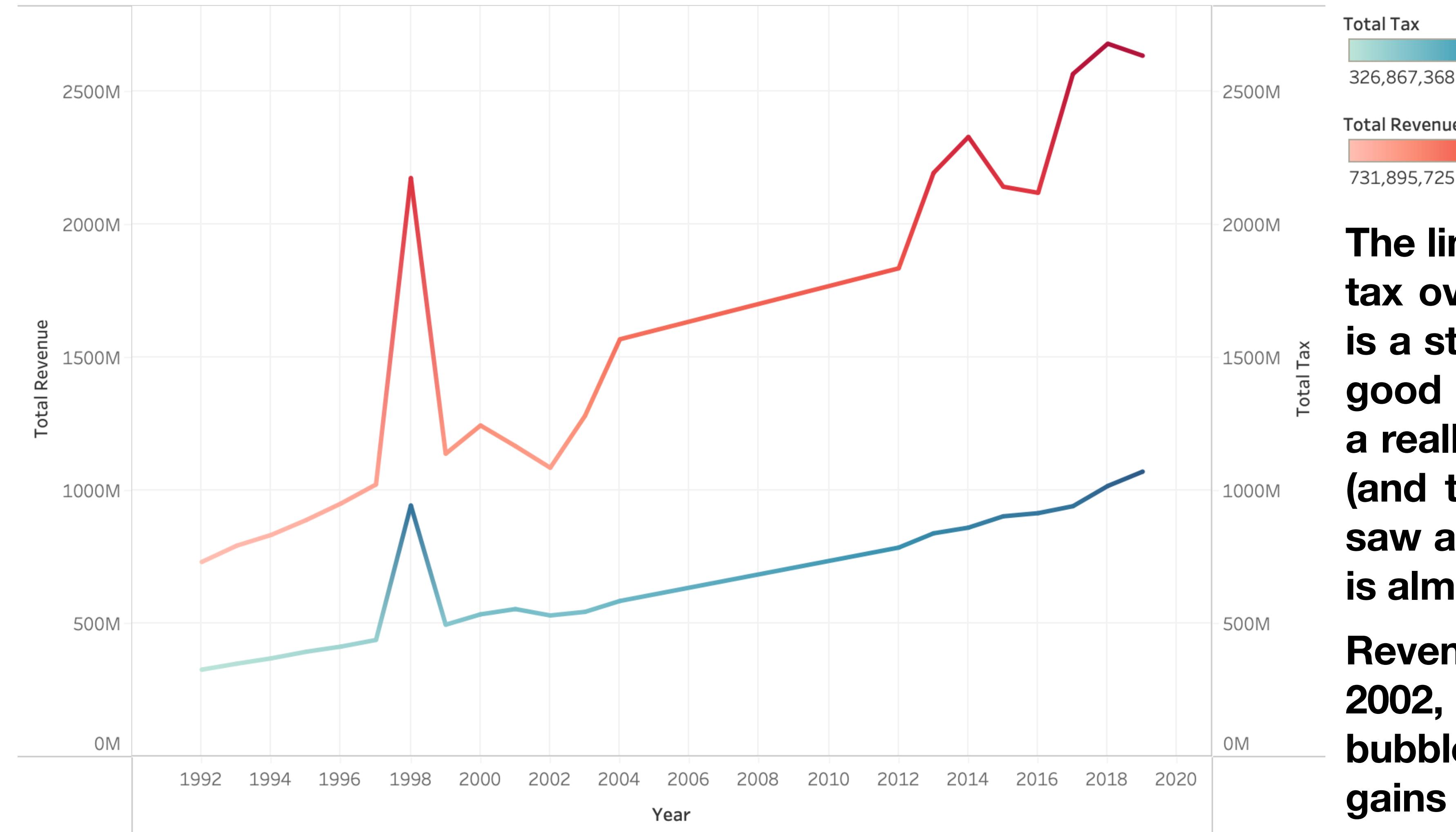
The dataset shows State Government Finances from 1992 to 2019. It includes data of government revenue, tax etc. It includes various expenditures on industries such as such as health, education, transportation etc. All of which are a backbone of the US economy. It also includes the data on debt each state government has on them over the years.

\*There is no available data from years 2005-2011.

The data was made available on CORGIS Datasets. All the data collected was via the governmental census websites.

Link: <https://corgis-edu.github.io/corgis/csv/finance/>

# Total Revenue and Tax

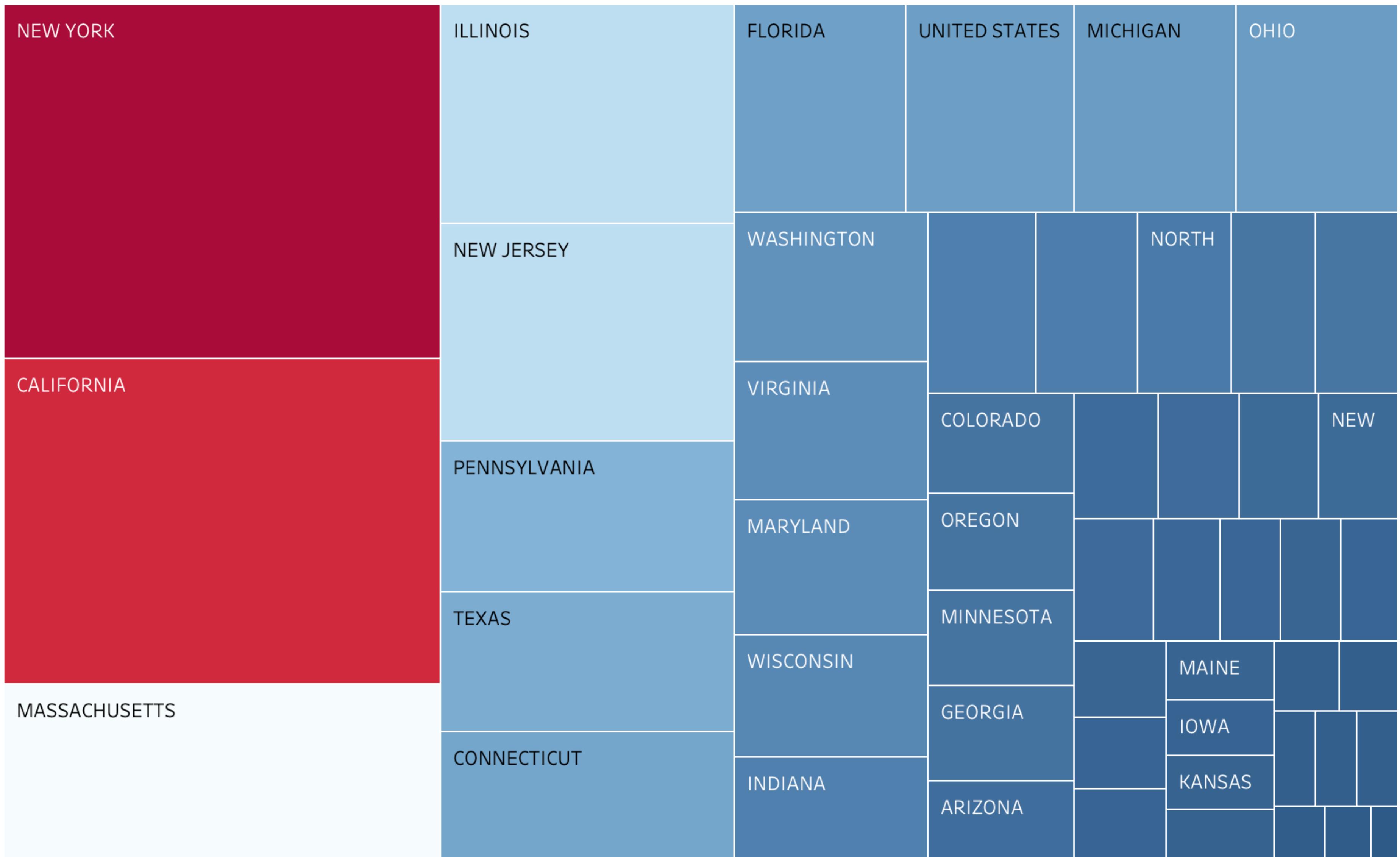


**The line graph shows the revenue and tax over the years. We see that there is a steady increase overall which is a good sign for the economy. 1998 was a really good year for the government (and the country) as the government saw an increase in taxes. The number is almost similar to that of 2018.**

**Revenue and tax collection dip in year 2002, this is because of the dot-com bubble burst. It starts to increase and gains balance in the following year.**

The trends of sum of Totals.Revenue and sum of Totals.Tax for Year. For pane Sum of Totals.Revenue: Color shows sum of Totals.Revenue. For pane Sum of Totals.Tax: Color shows sum of Totals.Tax. The data is filtered on State, which excludes ALASKA and HAWAII.

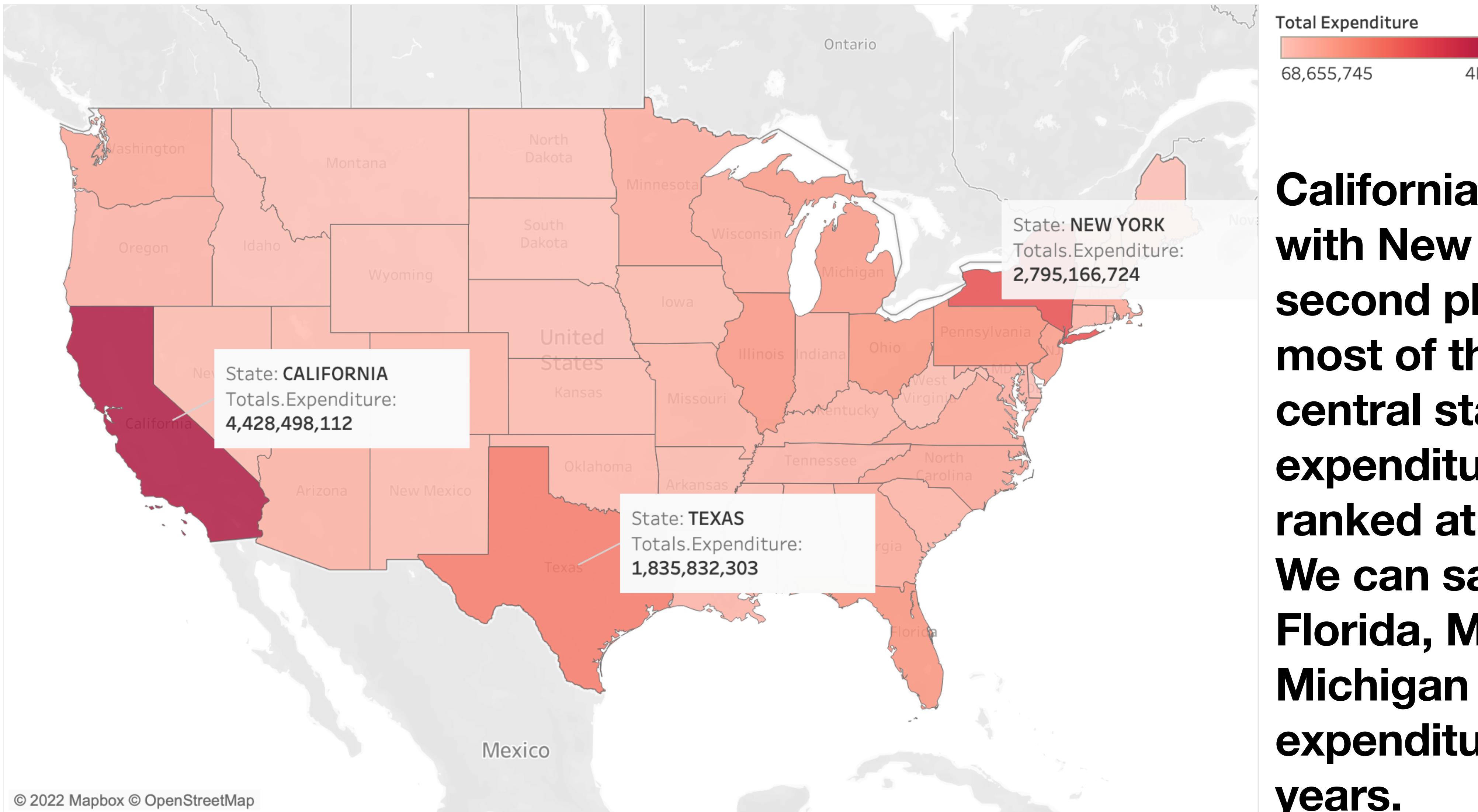
# State-wise Debt



Totals. Debt at end of fisc..  
20,208,358      2B

We see that New York has the highest debt in the country which is closely followed by California. The debt difference between these two and the rest of the states is significant. According to the color scale, we see no other state is even close to the debt these two states have.

# Total Expenditure

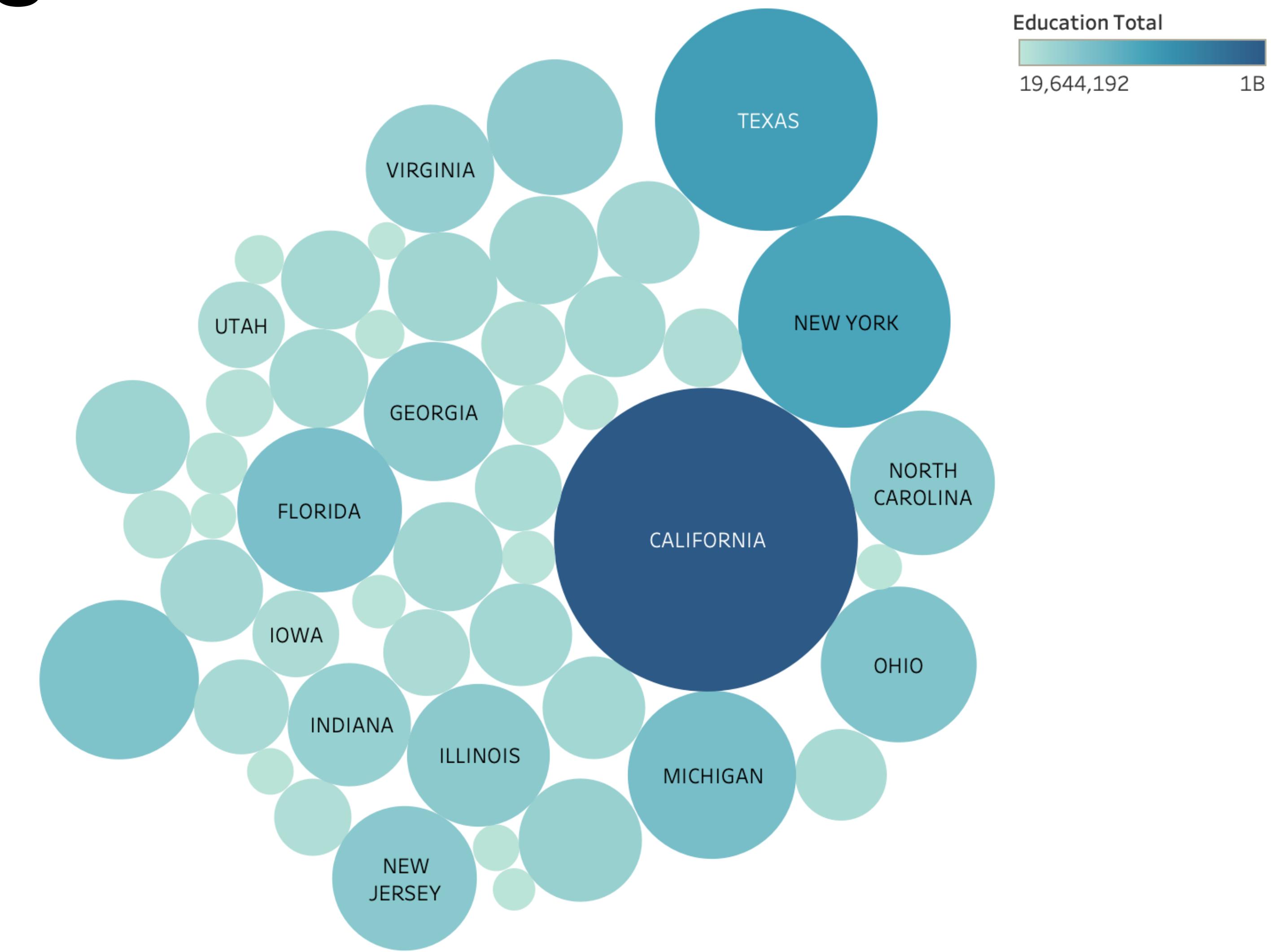


**California leads this chart, with New York in the second place. We see most of the mid-west and central states have low expenditures. Texas is ranked at the third place. We can say that states like Florida, Michigan, Ohio, Michigan have similar expenditures over the years.**

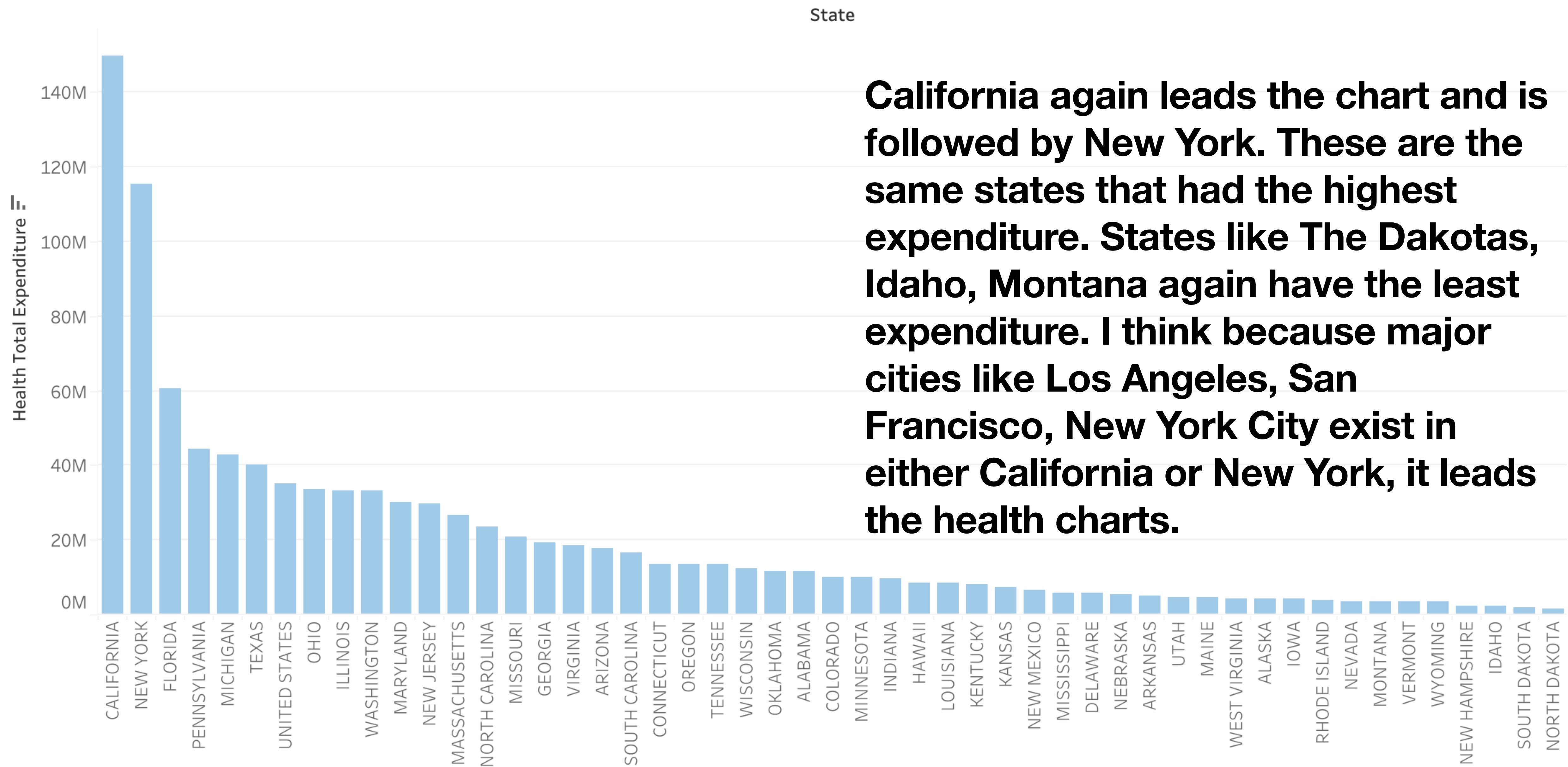
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Totals.Expenditure. Details are shown for State. The view is filtered on Latitude (generated), Longitude (generated) and State. The Latitude (generated) filter keeps non-Null values only. The Longitude (generated) filter keeps non-Null values only. The State filter excludes ALASKA, HAWAII and UNITED STATES.

# Educational Expenses

**As we already know, California leads the charts in the highest expenditure amongst all US states, it is no surprise it has spent the most in education over the years. It is a home to many prestigious universities. Texas and New York have similar expenses(around \$650 million). Other states at similar levels(~\$400 million) include Michigan, New Jersey, Ohio, Illinois etc.**



# Health Expenditure

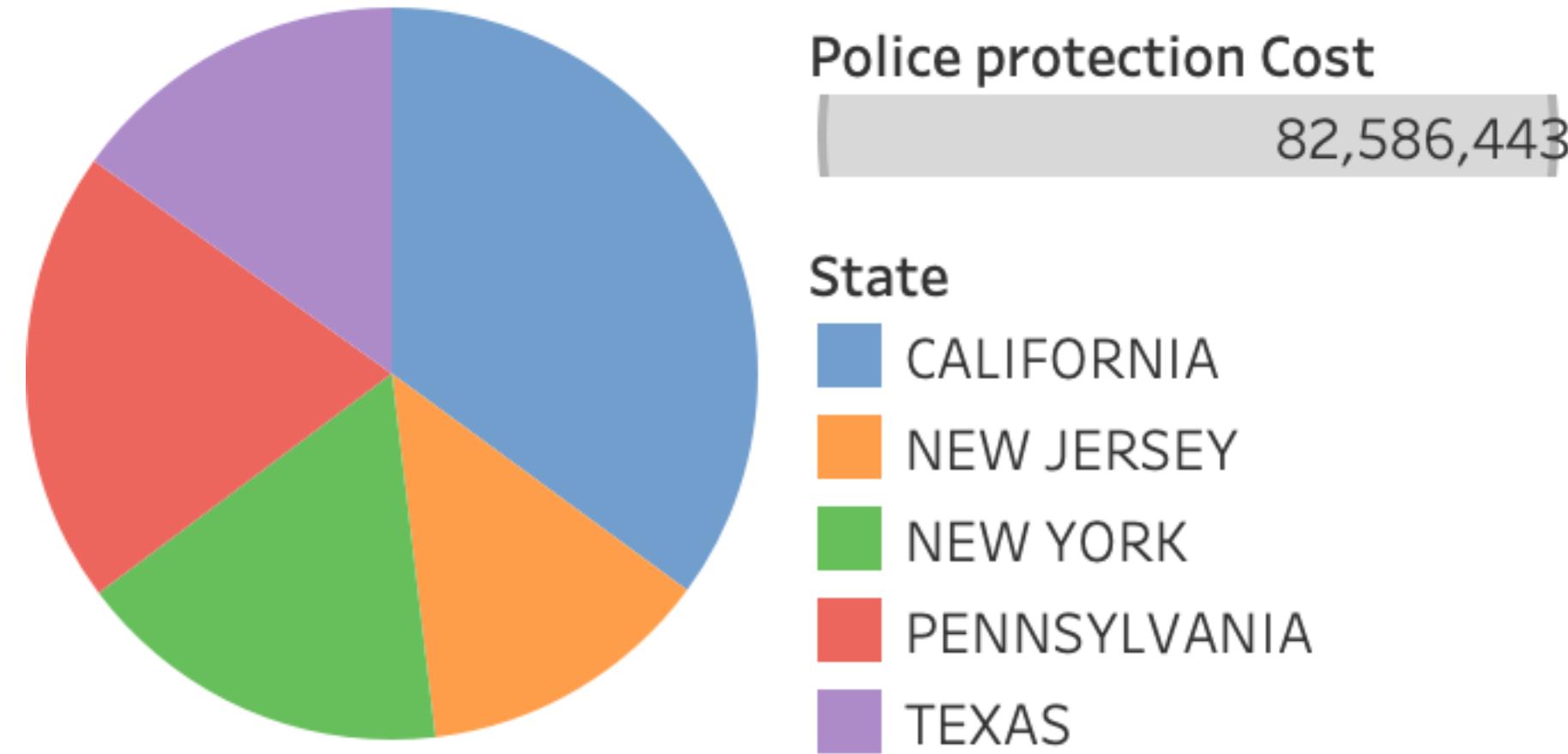


**California again leads the chart and is followed by New York. These are the same states that had the highest expenditure. States like The Dakotas, Idaho, Montana again have the least expenditure. I think because major cities like Los Angeles, San Francisco, New York City exist in either California or New York, it leads the health charts.**

# Police Protection Expenditure

**This pie chart shows the police protection expenditure for only 5 of the states. These 5 states have the highest budget amongst the rest.**

**California has the highest expense amongst all. Texas and New Jersey have similar budgets. Pennsylvania has the second-highest budget. From the chart, we can conclude that the combined expense of Pennsylvania and Texas is equal to California's expense.**

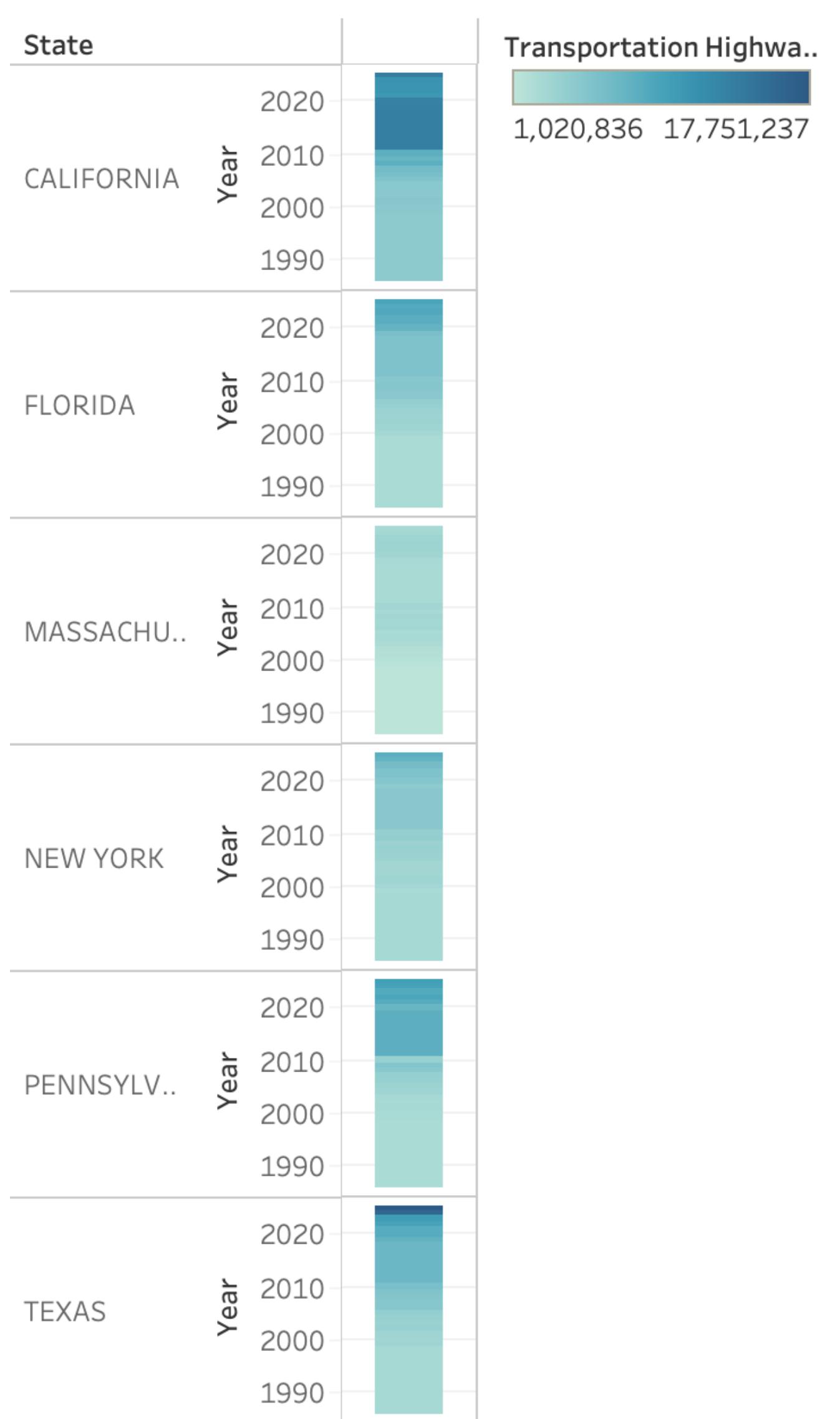


State (color) and sum of Details.Police protection (size). The view is filtered on State, which keeps CALIFORNIA, NEW JERSEY, NEW YORK, PENNSYLVANIA and TEXAS.

# Transportation Costs

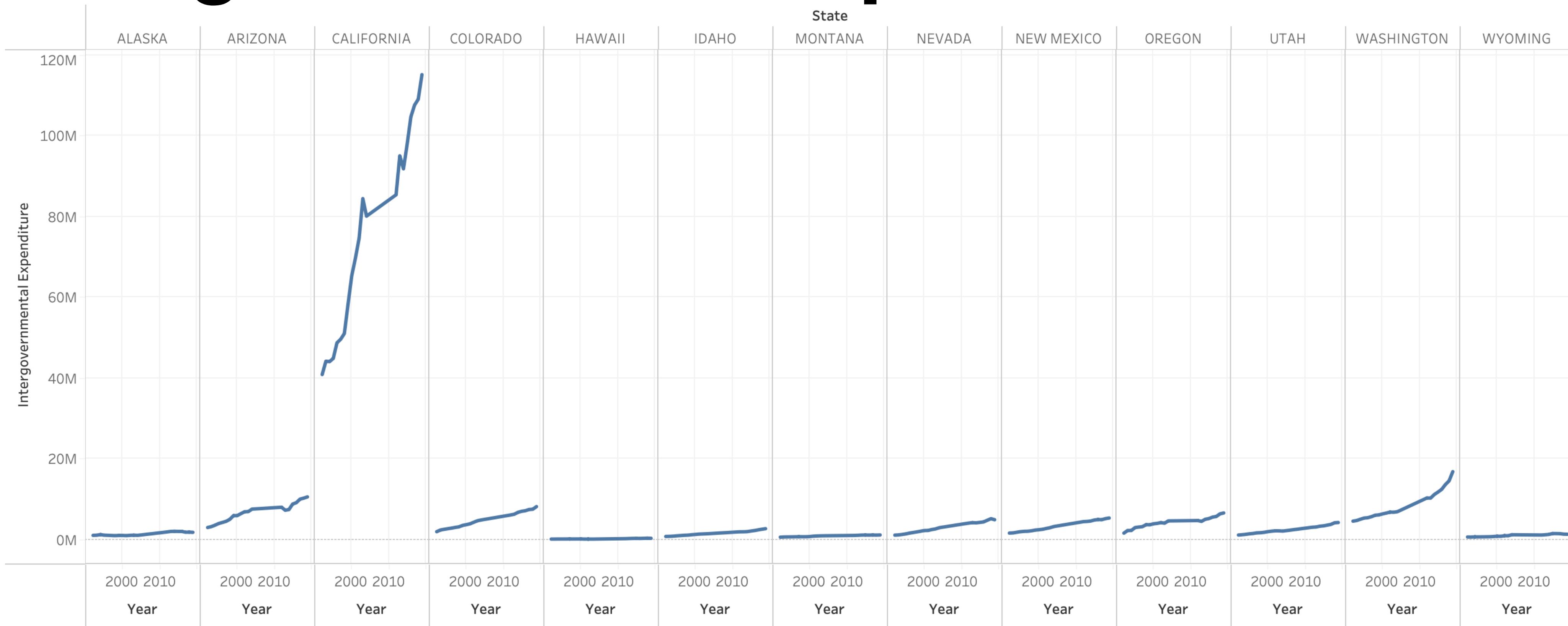
The visualization shows transportation expenses of 6 of the 50 states from 1992-2019. California had increasing costs in the first half of 2010 but they seem to be reducing now (good signs for the environment). Florida is showing a steady increase in expenses for highways. Texas is also reaching the peak with its transportation costs.

Massachusetts somewhat has steady transport expenses over the years. Hardly color changes are seen. Pennsylvania, past 2010, has shown a sudden rise in transport expenses, which we can see is very similar to that of Texas.



Year broken down by State. Color shows sum of Details.Transportation.Highways.Highways Total Expenditure. The marks are labeled by sum of Details.Transportation.Highways.Highways Total Expenditure. The view is filtered on State, which keeps 6 of 51 members.

# Intergovernmental Expenditure



The trend of sum of Details.Intergovernmental.Intergovernmental Expenditure for Year broken down by State. The view is filtered on State, which keeps 13 of 51 members.

This chart above only contains the states in the West. We see that California is leading here by quite a margin (\$110 million). The next highest is Washington which is about \$18 million in 2019. Internal Expenses of Wyoming, Montana (~\$1.5 million) have hardly changed over the years, which is a good sign despite inflation. While California increased exponentially, Colorado has somewhat of a constant increase in expenditure.