Overview oregon-covid-19

What is this? Visualizations of the Coronavirus (COVID-19) spread in Oregon

Why/History: These visualizations are helpful to understand how COVID-19 is spreading in Oregon. Examples of different visualizations that are publicly available are shared in this PDF as well.

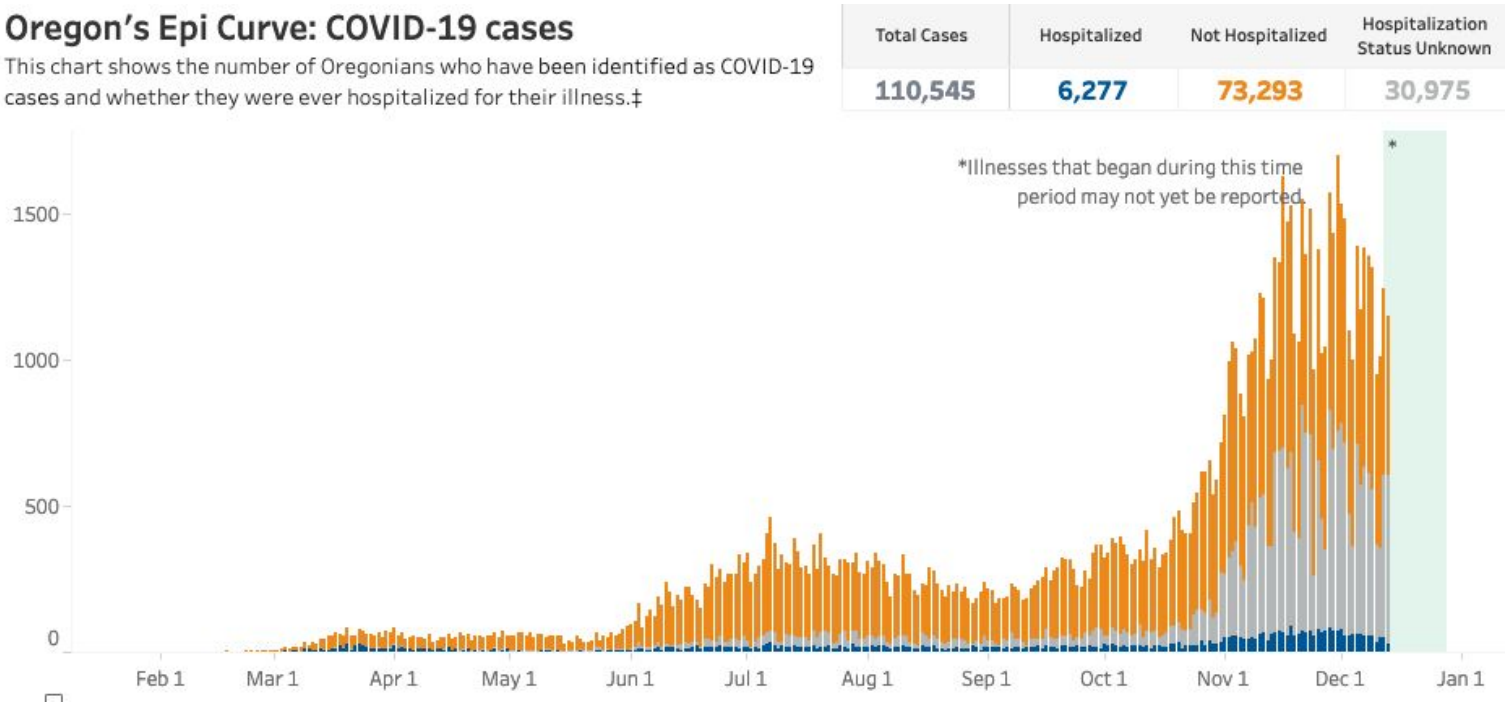
What tools are used?

- **R / RStudio:** Webscraping, tidyverse, shapefile mapping & visualization

Other Resources:

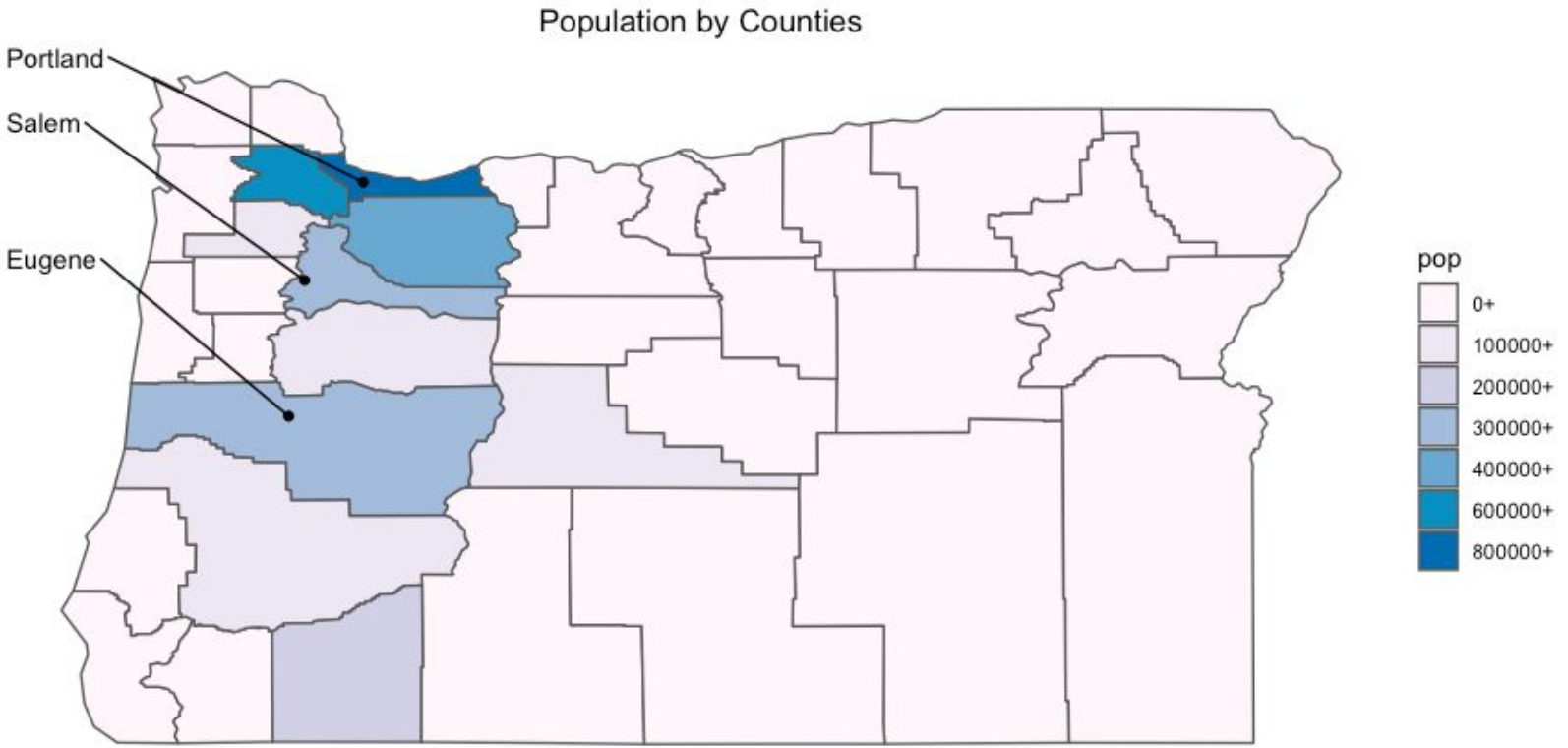
- OHA (data source): https://govstatus.egov.com/OR-OHA-COVID-19
- The Oregonian is using this weekly OHA dataset to create zipcode maps

First, here's a helpful chart from Oregon Health Authority on Daily Cases

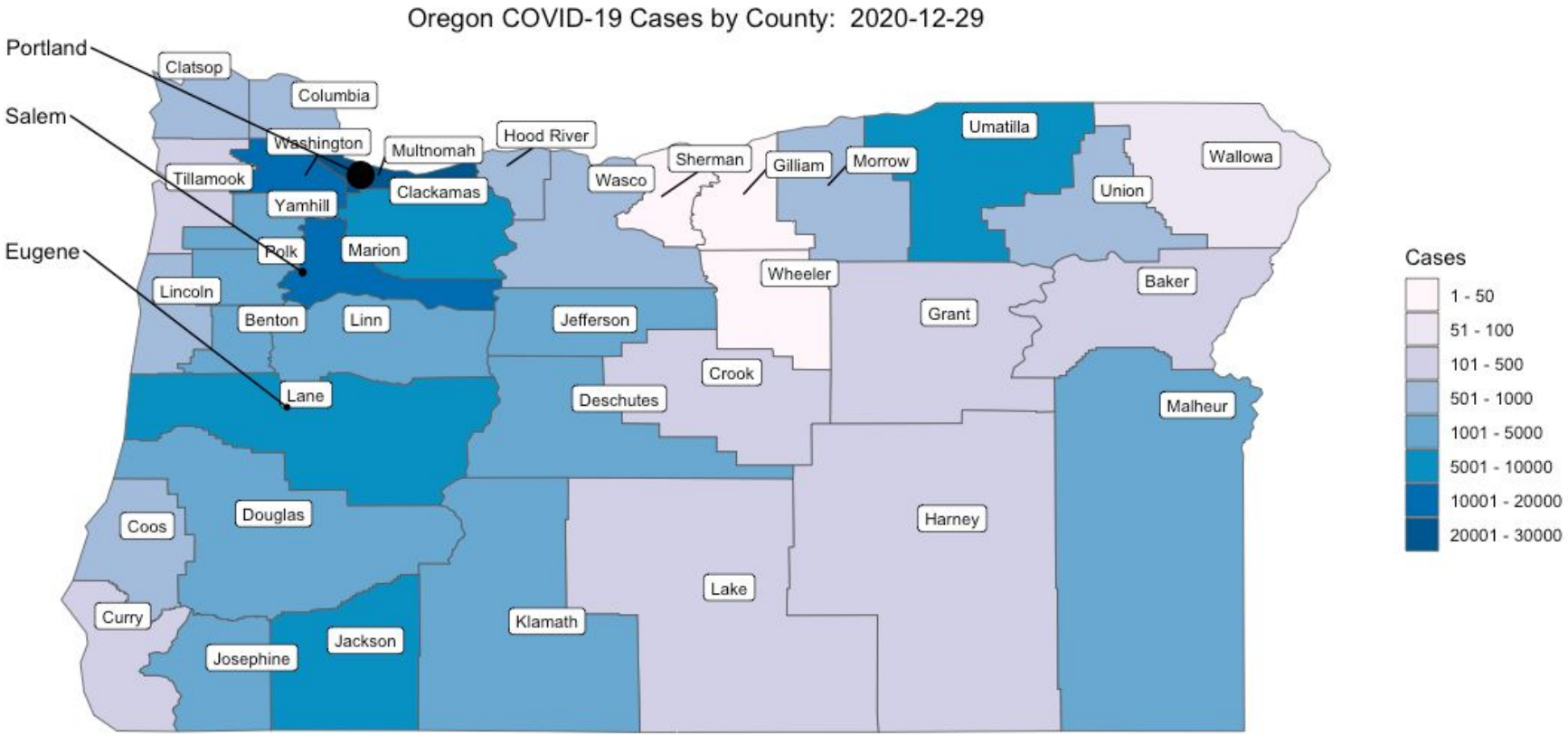


The next slides are generated by the R script

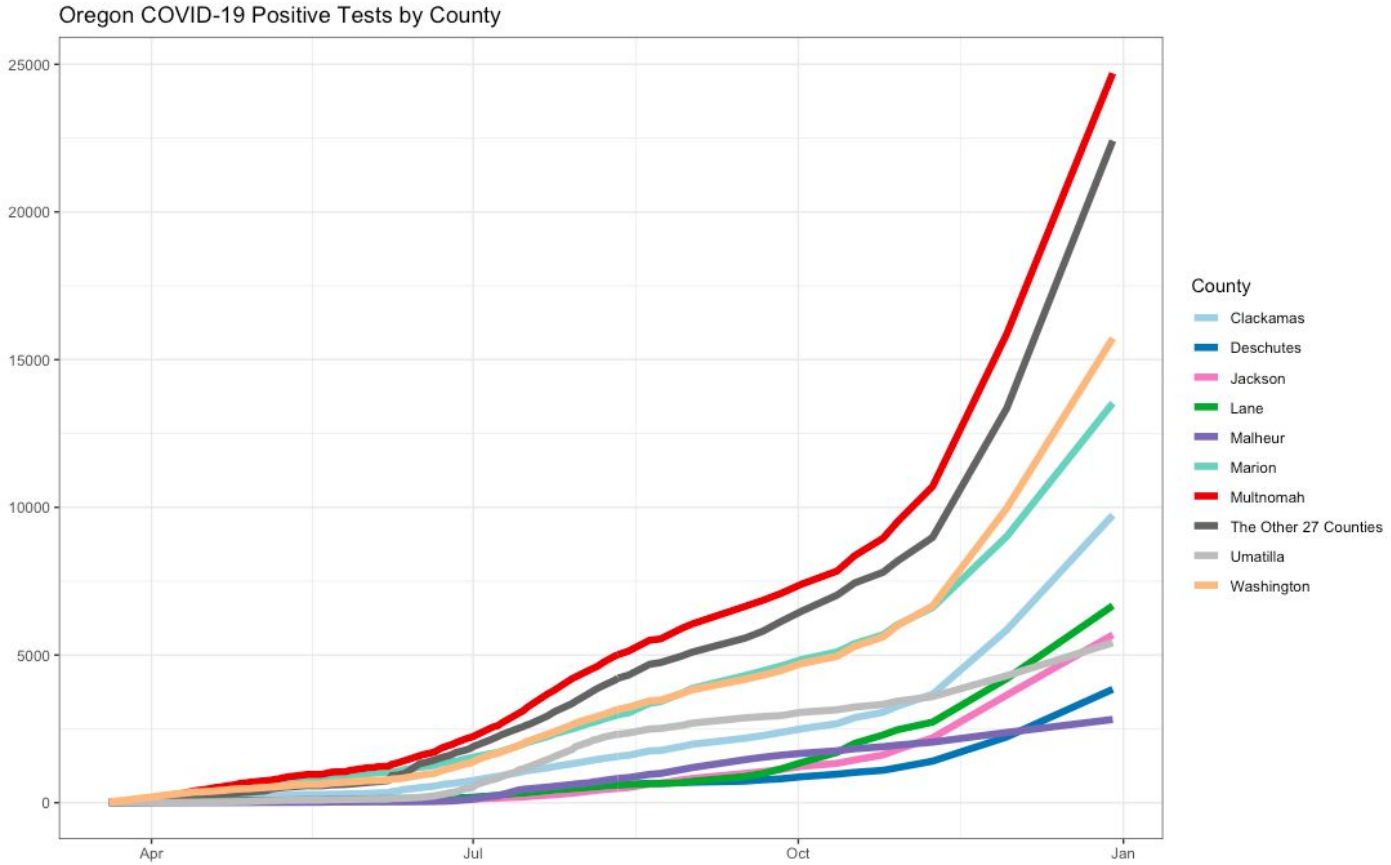
For Context for the following maps, here is the Oregon population density



The more populous counties generally have more COVID cases

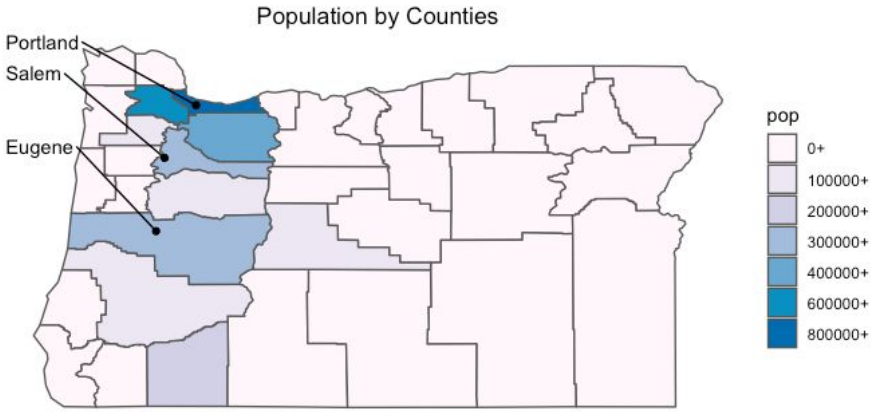


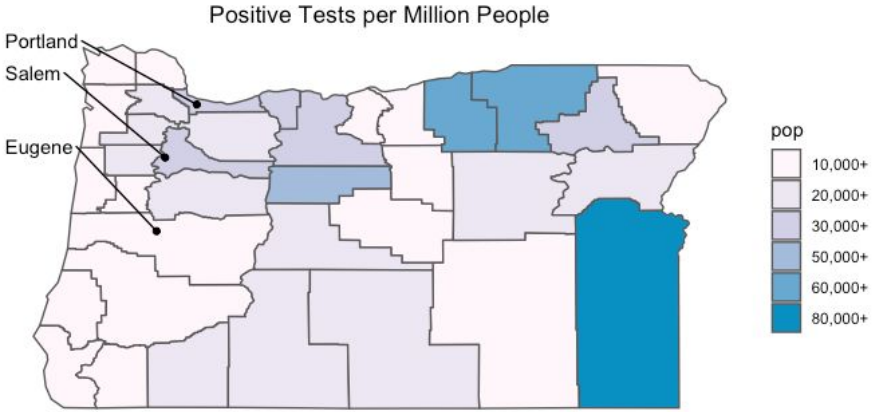
The trends by county have some unique inflections but the overall trend is similar among most counties



The density map of cases shows that there are a few rural counties that have been hit hardest by the pandemic in terms of the number of cases

Population and Positivity Densities





Next plot (work in process) will be a GIF over time to visualize the time lapse of the pandemic in Oregon