

Assignment 4 – Summary of Group Feedback and Subsequent Revisions

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Draft Plot

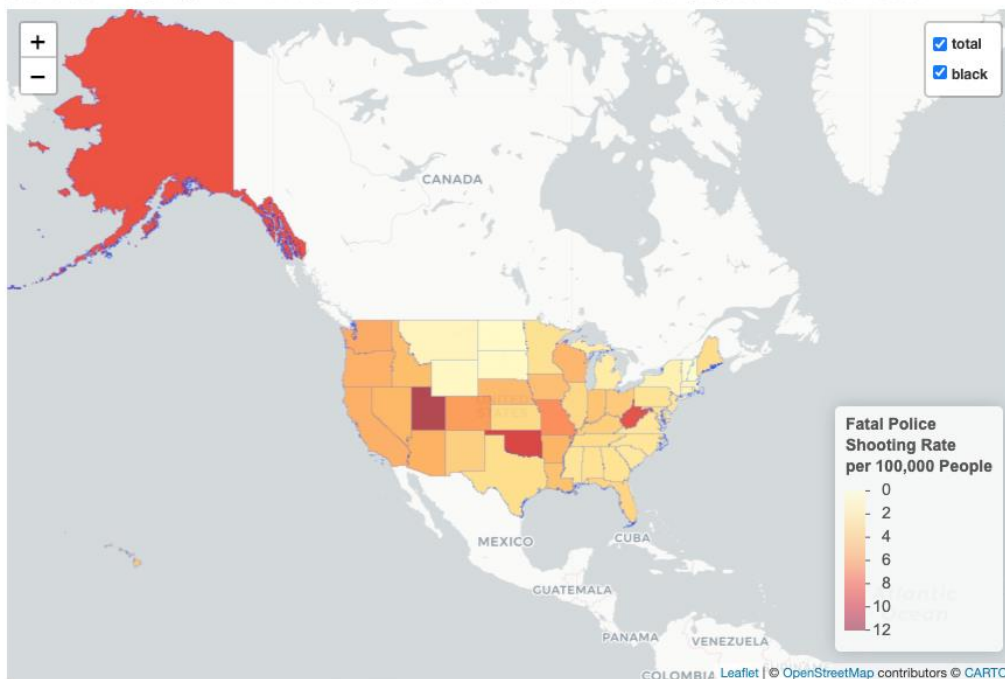
For my draft version of Assignment 4, I created the following Leaflet map plot of fatal police shootings in the United States since 2015:

https://rpubs.com/drewdocter/fatalpoliceshooting_draft

In this draft, I included a multiple base layers on the graphic – one representing rates amongst the total population, and the other layer representing population-adjusted rates solely amongst Black populations. Here is a screenshot of my draft graphic for reference.

Police Shooting Fatality Rates in Total vs. Black Population

Use slicer in top right corner to compare total rates with rates in Black population in each state.



Primary Suggested Revisions from Group

Based off of my draft Leaflet map, my group had some fantastic recommendations for revisions. Firstly, several members of my group suggested that I add multiple additional base layers on the graphic representing other racial and ethnic subgroups. In response to this, I added layers representing the population-adjusted fatal police shooting rates for both Hispanic/Latinx and White populations. This allowed for comparison of rates across 3 major racial and ethnic subgroups. Another group member suggested that I adjust the layer-selection tool (or slicer) in the top right corner so it could only select one base layer at a time. This was extremely helpful feedback, which ultimately improved the interpretability and functionality of my map by

preventing multiple layers from compounding on one another and distorting with the fatality rates.

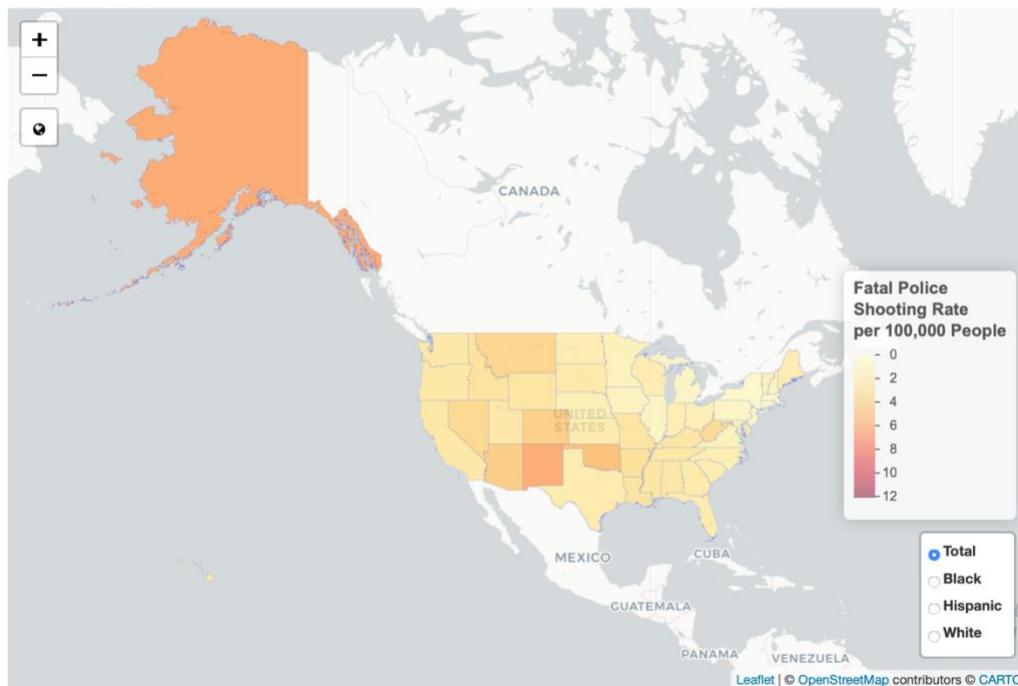
Finally, my group had several suggestions for improving the annotation around the graph. One member suggested I include only a page title or a graphic title that refers to what the map is referring to – so I revised my RPub's page title to simply refer to the assignment. One group member mentioned that I should try to add a title to the layer selection “slicer” box to better call out the option to filter fatal police shooting rates by race and ethnicity. However, I could not determine how to make this happen within Leaflet, so I simply revised my plot subtitle in RPub's to better highlight the option to use the layer selection control to filter race and ethnicity. I also received feedback from my group that I should add in a note that highlights the exact data source for the graphic, along with the years in which the data is compiled. I made this change by adding text directly into my R Markdown file, uploaded to RPub's.

Final Version of Plot

https://rpubs.com/drewdocter/USfatalpoliceshooting_leafletmap

Police Shooting Fatality Rates in the United States since 2015

Use the layer control buttons in the bottom right-hand corner of this map to compare fatal police shooting rates for the total US population with population-adjusted fatal police shooting rates within Black, Hispanic, and White populations in each state.



The data visualized here is compiled by the Washington Post, and represents all fatal shootings by a police officer in the line of duty since 2015. For more information on the data, please go to: <https://github.com/washingtonpost/data-police-shootings>