

# CPSC 4030

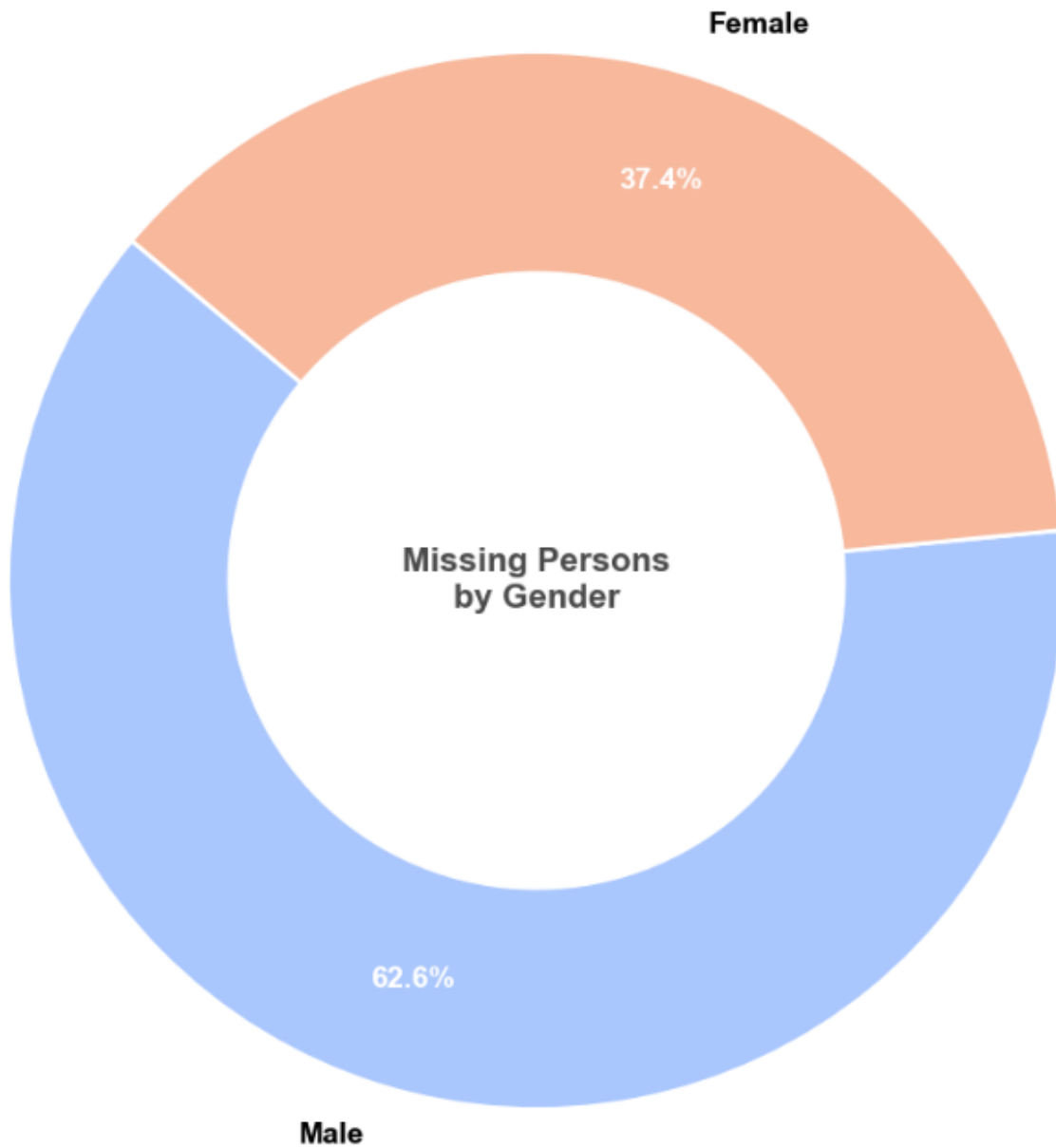
## Process Book

Group ug-07

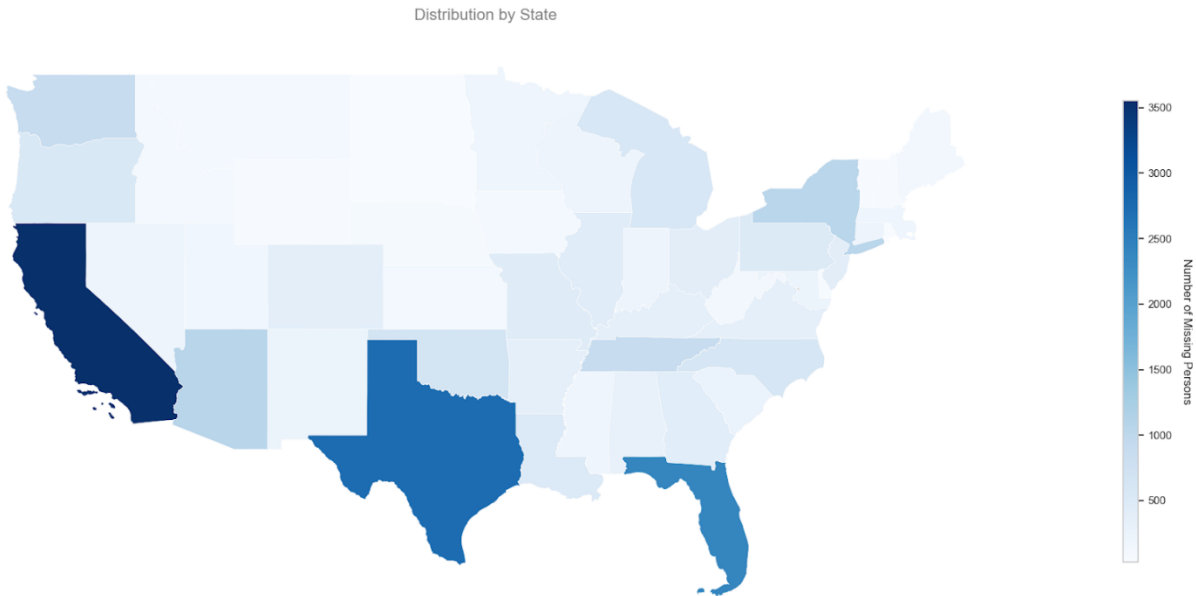
Alex & Nolen

Our group begins by exploring various visualization ideas, like the examples shown below, to guide our creative process. We mostly were inspired by what patterns we could find in the dataset and used the first visualization that came to mind when we were designing the charts.

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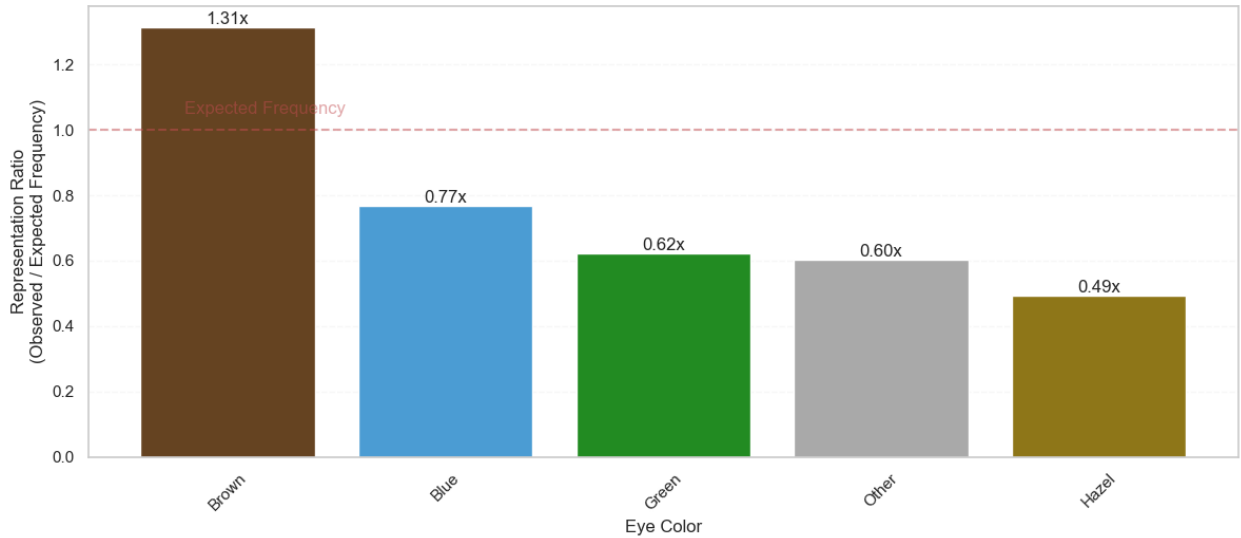


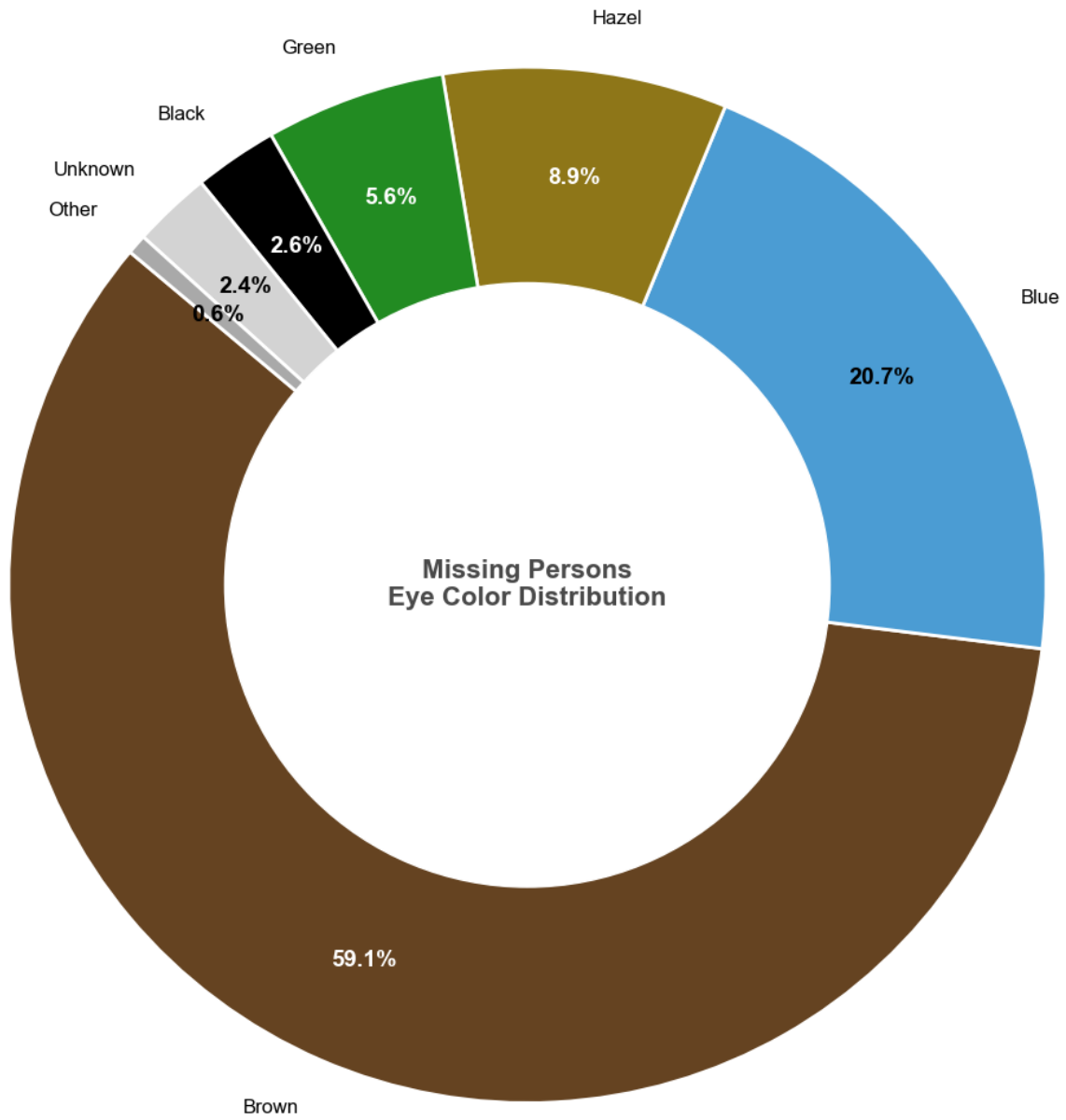
# Missing Persons Across the United States



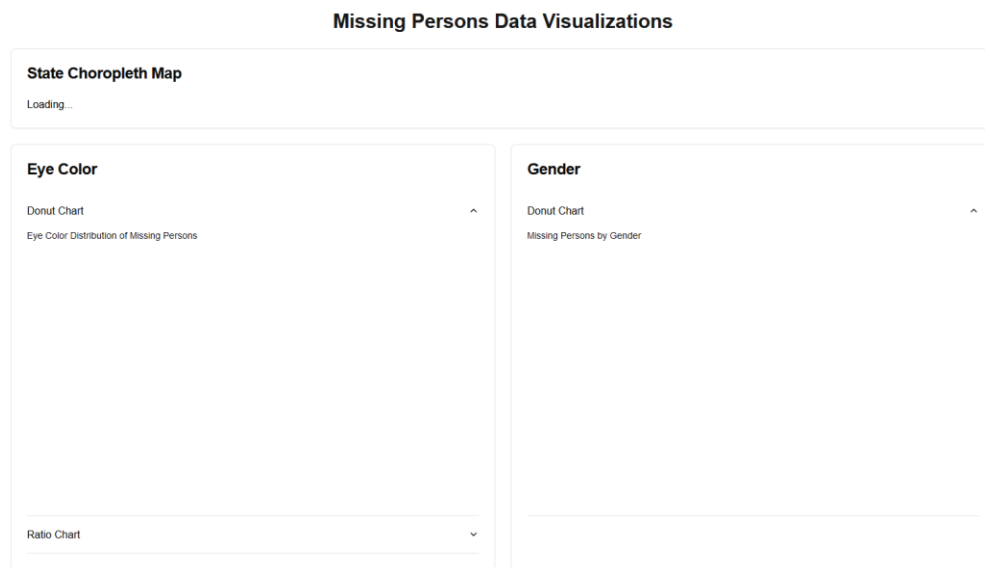
Source: NamUS Missing Persons Database

## Eye Color Representation in Missing Persons Compared to Population Average

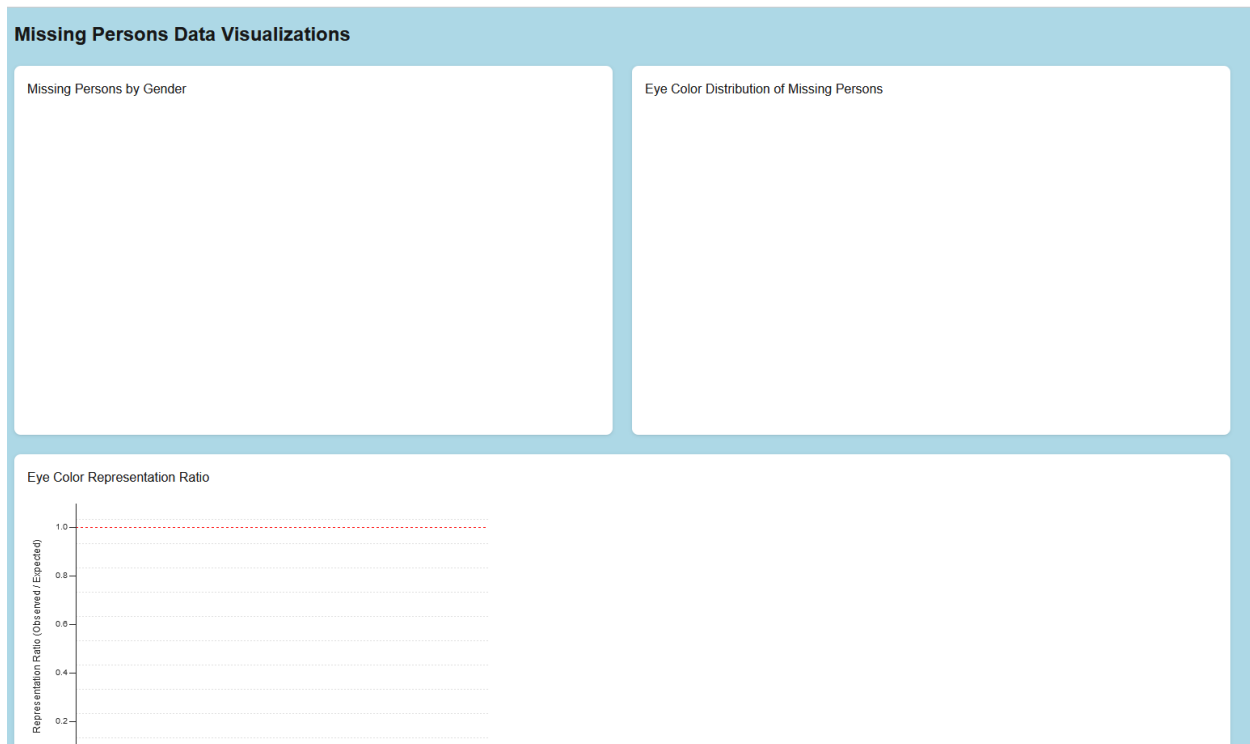




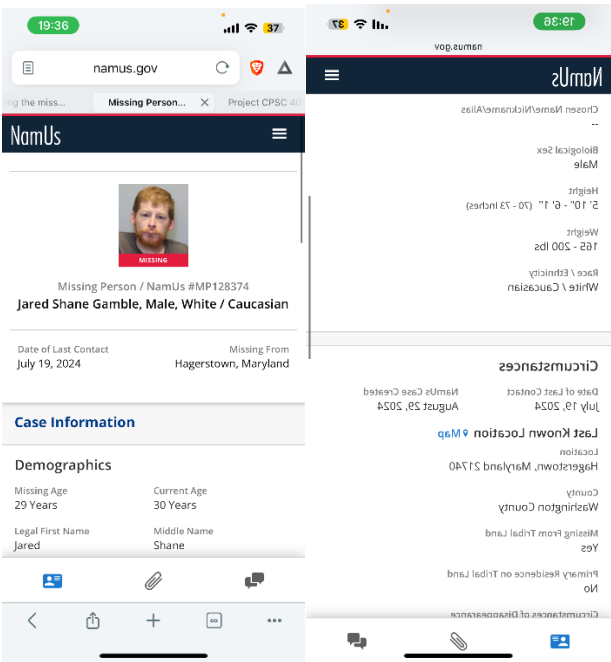
Our first dashboard looks like this:



The data is missing but we wanted to outline the containers first, we also experimented around with interactive charts like the accordion style chart hider. We also considered alternative layouts like the one below:

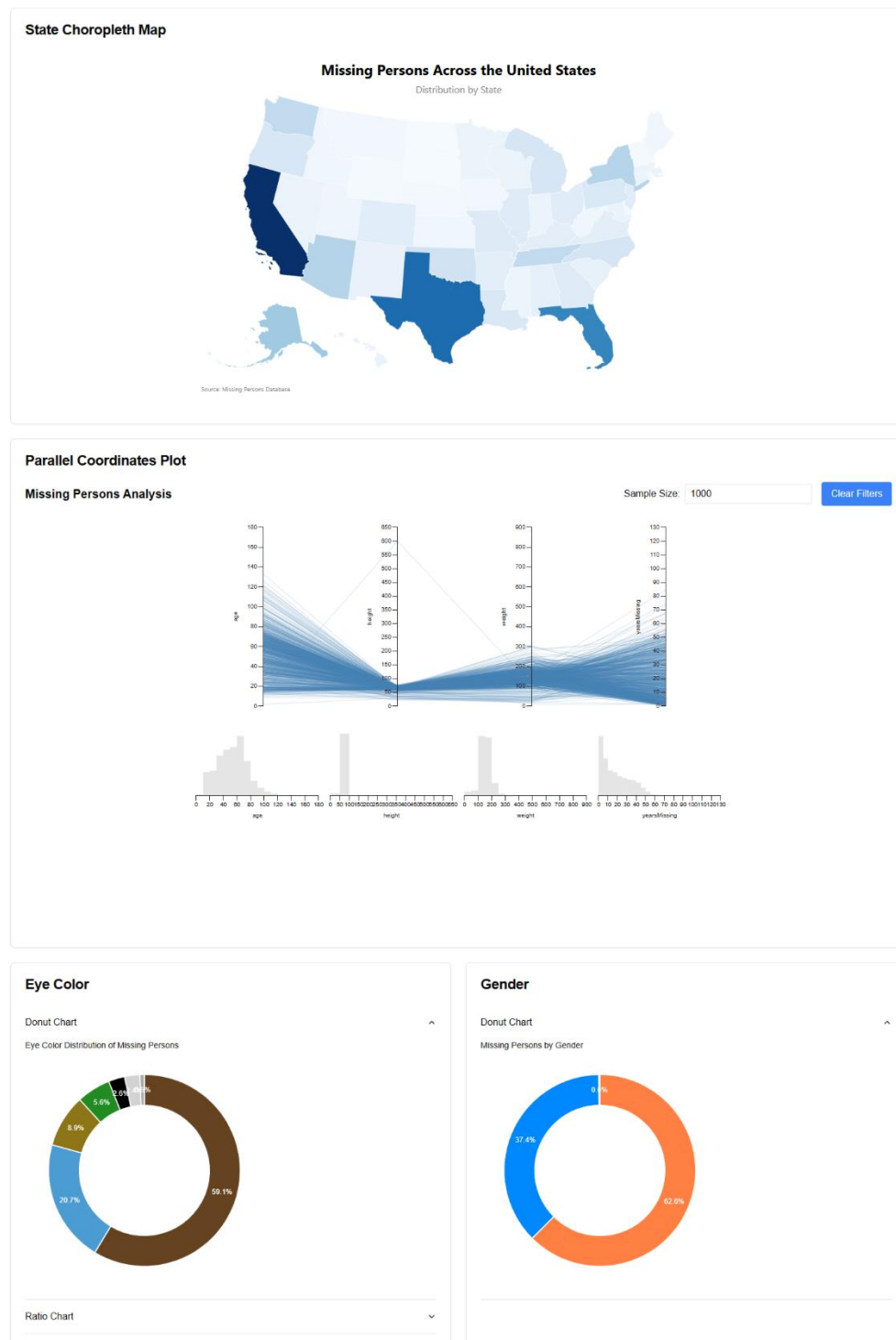


We started to collect data around this time, scraping websites for missing persons. Here is an example of an entry:



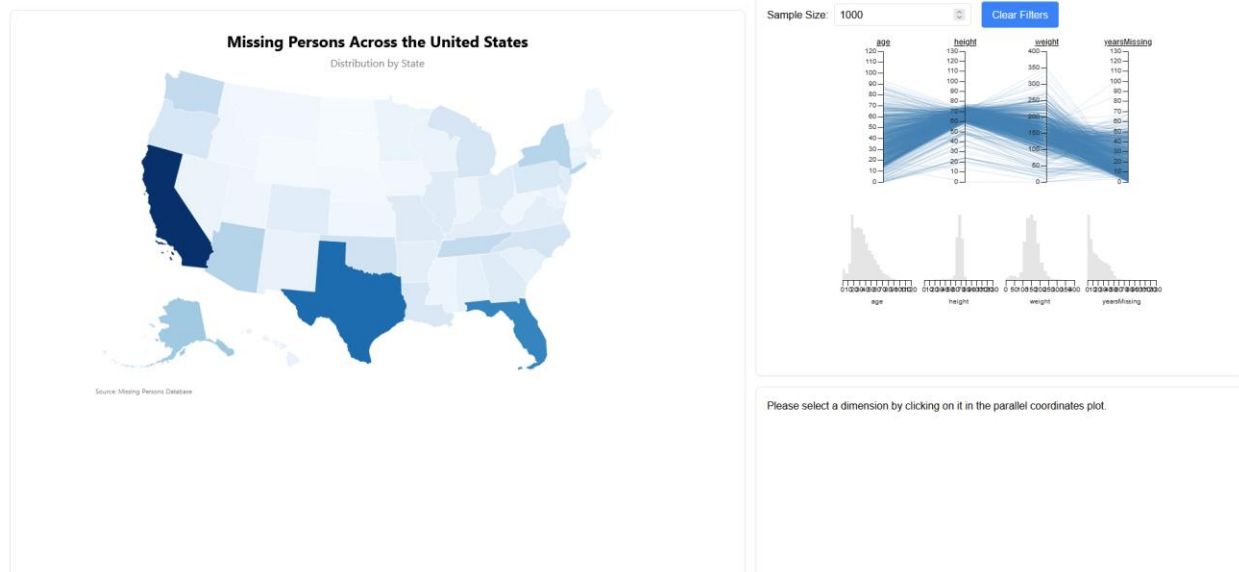
Our next dashboard looks like this:

### Missing Persons Data Visualizations

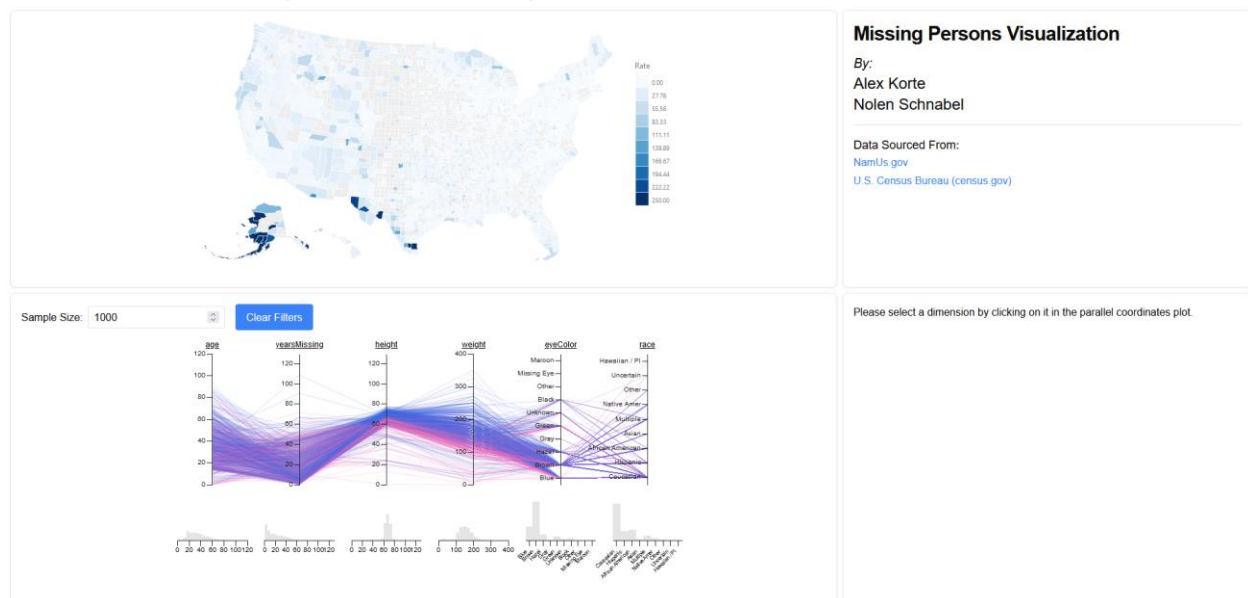


Key takeaways from this dashboard that we could improve on is that we don't want the user to scroll in order to access data. All elements should be on the top of the page. We also are not happy with the pie and ratio charts and could try to incorporate the design into the parallel coordinates chart.

This next dashboard he tried to compress all of the layout elements into the frame. We had to get rid of the eye color pie charts and gender. You now get information on a person if you click their name on the parallel coordinate plot.

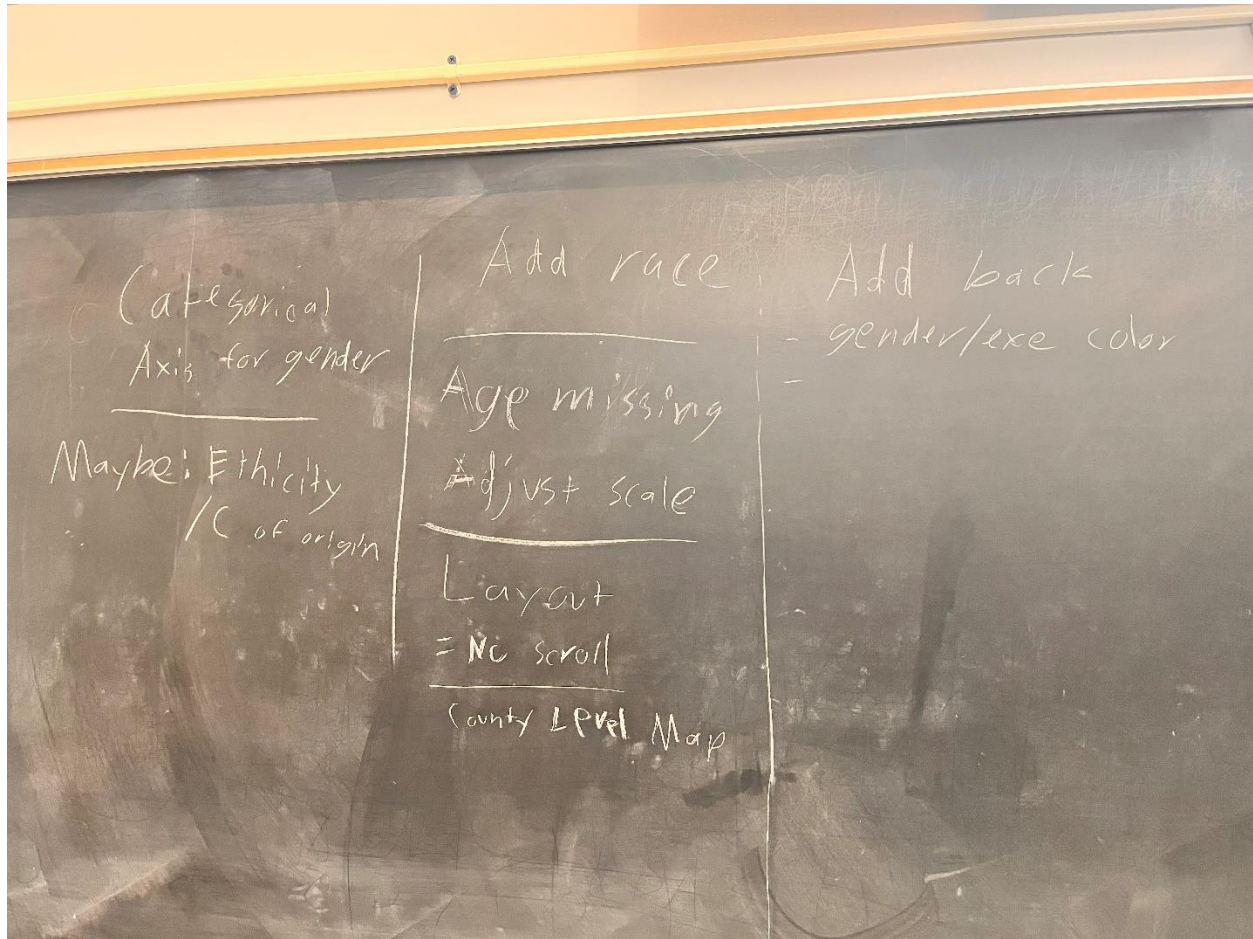


We then did some rearranging and found this next dashboard to be very well made. We also edited the map to go down to the county level which at first we thought was not going to show enough information, after coding it in it does not look half bad. Also added eye color and race back in the form of another parallel coordinate plot.





We then presented our project to the class and got valuable feedback from the Professor and the students from the class. We now have the final touches planned out for the final presentation. Just need to implement them.



Here is our final Dashboard, We included most of the suggestions from presentation day into it: Some elements would make the page too crowded or were unfeasible for the scope of this class. You are now able to filter by county by clicking on the map. We also switched weight and eye color as to not have two categorical datasets next to each other and edited the scaling on the histograms. The only other edit we will make to this page is to add the video link for the final submission.

