

Final Project 1: Exploratory Visualization
Data 73200: Interactive Data Visualization
Yuying Ren
Project Proposal
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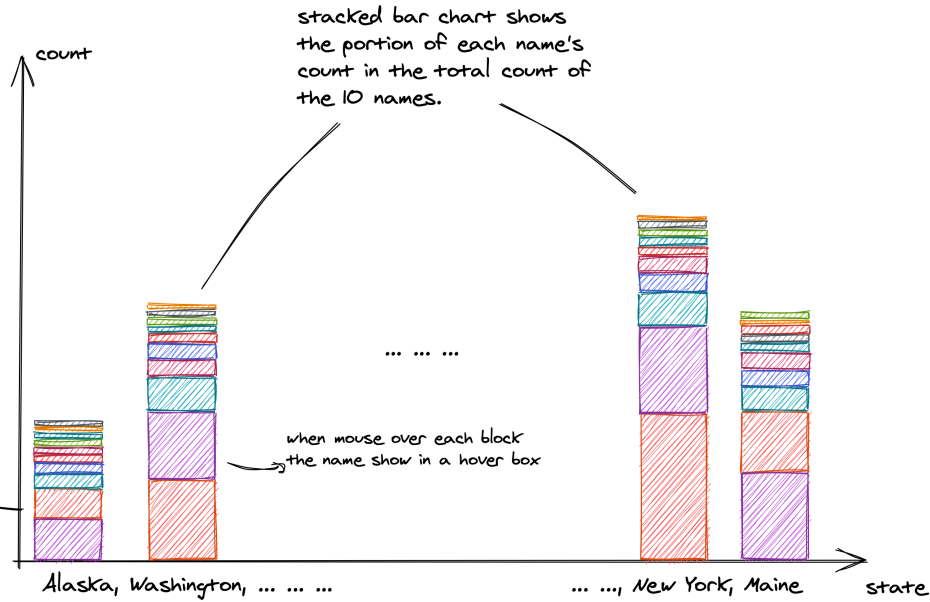
Name Trends by Decades (1920 ~ 2019) across States

The final data I have is the top 10 popular names of each state for each year during 1920 to 2019. Since the name trends change more substantially over decades not years, my visualization will focus on the popular names in each state every 10 years. There would be two graphs for female and male names, and the structure of each graph is like below:

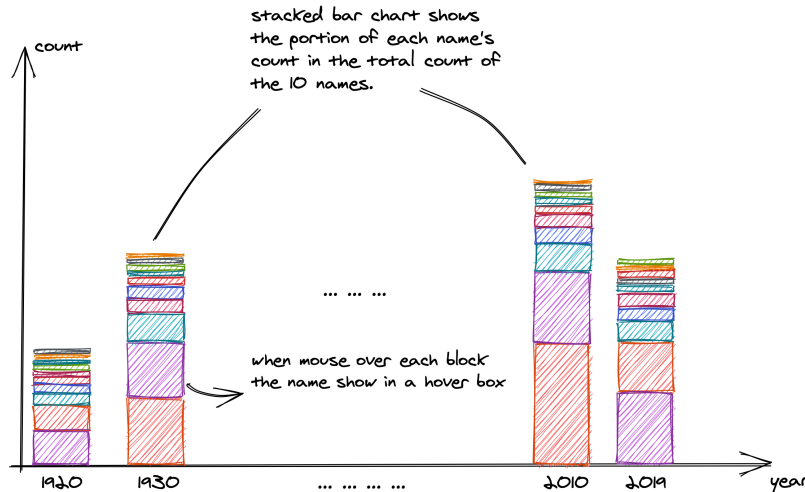
- A stacked/grouped bar chart where y axis is the count of names, x axis is the state names.
- Each state on the x axis will have a stacked/grouped bar chart to show the rank of the top 10 names.
- A drop down selection on the top of the chart enables selecting different years (in decade).
- For each state, a “click zoom-in” function is allowed. When the click is triggered, the graph will zoom into that specific state and show the change of name trends over decades in that state.

The mock-up is shown below:

my dropdown would be the decade years (1920, 1930 ... 2019)



when click on each state's bar/state's name, the graph will zoom in to that state, and show the specific changes over decade of that state.



when the click triggered, y axis remains as the count, but x axis will become years of decades from 1920 ~ 2019.