

# Visualization Design

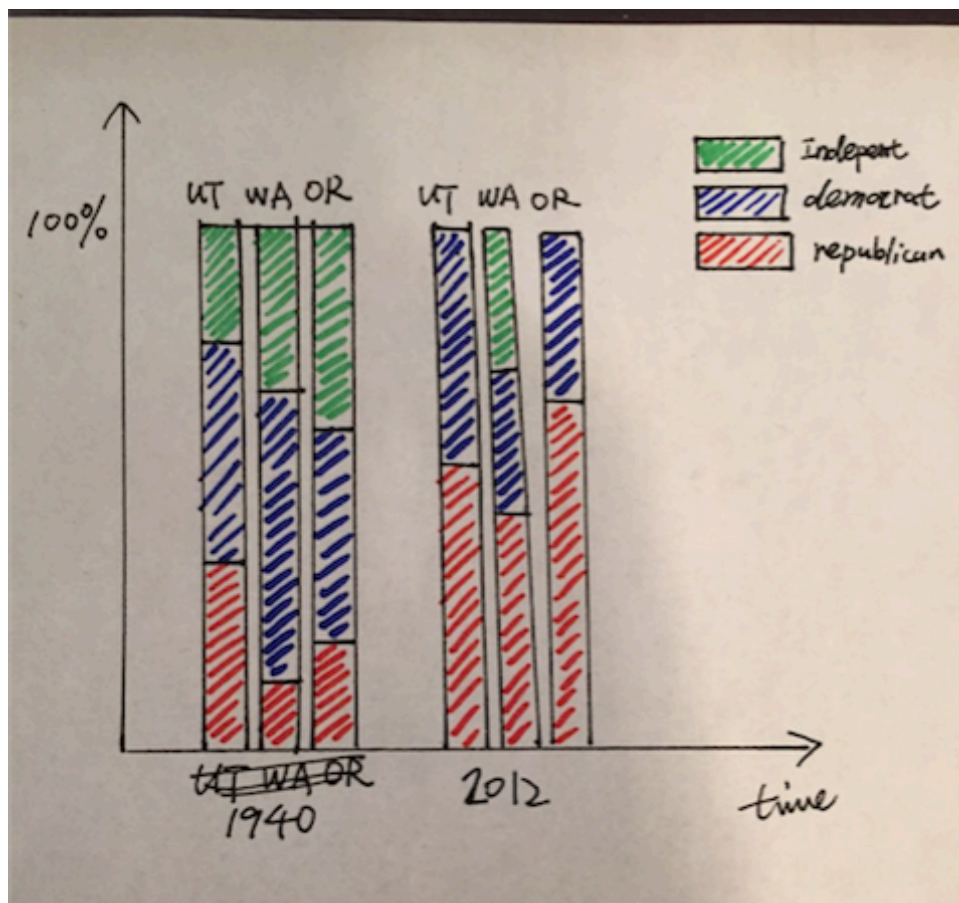
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The idea is to explore the global trend as well as the political shift of all/some states. Based on the purpose, I make two additional designs.

## Design 1:

The first design is to make use of stacked bar plots. Suppose we already have the years and states that we want to look into. The X-axis would display the time, namely years. The Y-axis helps to define where the 100% is. An example is displayed as follows.

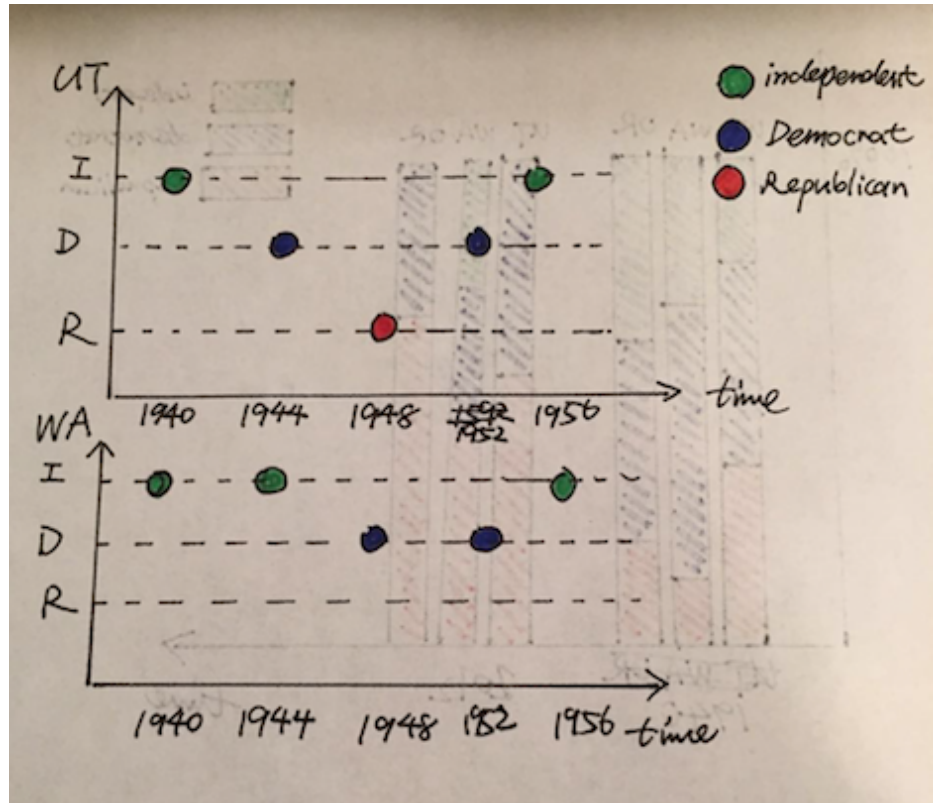


As shown, it could keep track of the changes of political votes in each individual state over many years. A good feature of it is, when the mouse hovers over a specific bar, it

could display many details of the corresponding party, such as the name of the nominee, the vote percentage and the total votes that the nominee has won. In this case, I believe the audience would have a good understanding that on a specific year, who has won the election and which states support which party.

## Design 2:

Another way to design is to use line chart as shown below.



In this chart, it is very easy to observe the political trends of each state over years. What is not displayed directly from the chart is the detailed numbers like the exact vote percentage for each party. But in order to fix that, we could display the detailed info in the margin of the webpage when a circle is selected. Or we could display the detailed info once the circles are hovered.