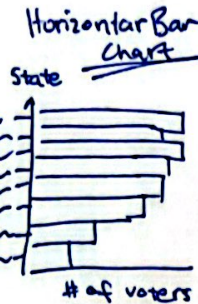


IDEAS

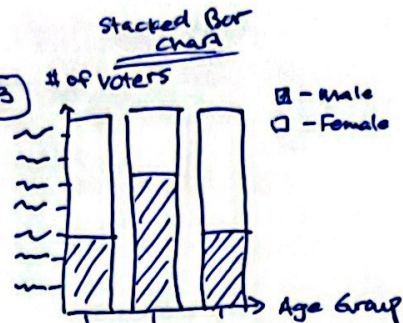
①



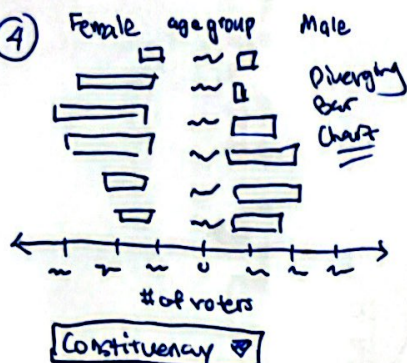
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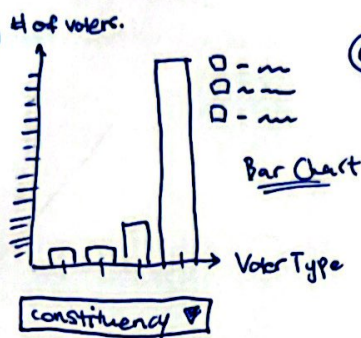
③



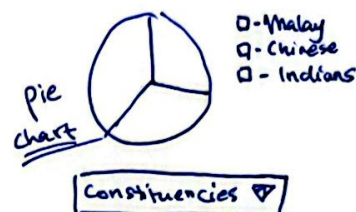
④



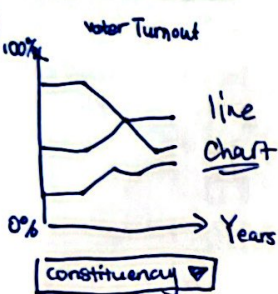
⑤



⑥



⑦



⑧

XX.YM
Voters
are eligible to cast
ballots ~ ~ ~
Taxt

⑨



FILTER

- ③: Not as interesting as ④. hard to spot significant observations.
- ⑤: may not be suitable! Might be better off with pie chart instead so that the disparity is taken care of.
- ⑧: Maybe too simple? Might use to fill whitespaces.
- ⑨: Does it support any analysis if it is known fact by the readers? Might include as it is hard to assume reader's knowledge.

CATEGORIZE

- ①: Answers questions about geopolitical results.
- ②: Answers questions about voters in diff states.
- ④: Answers question about age distribution of voters as well as the gender.
- ⑥: Answers questions about correlation of constituency ethnicities & political parties.

COMBINE & REFINE.

- Make use of political party brand color to differentiate against other political parties.
- Use colorblind safe color palettes so colorblind readers can interpret charts.

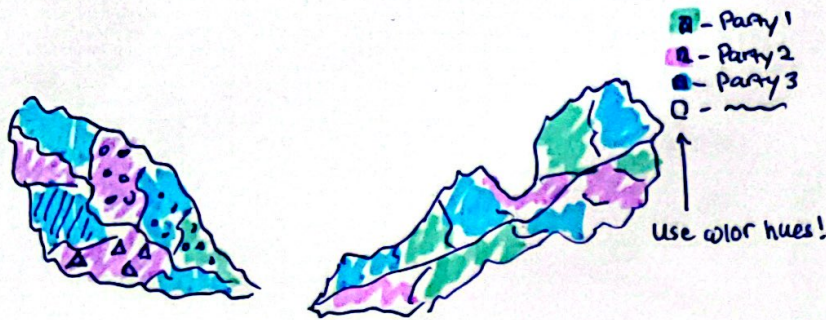
Title: Data Visualization 2

Author: Tay Tshung Wen

Date: 10/8/2024

Task: Geopolitical Results.

Sheet: ~~1~~ 2



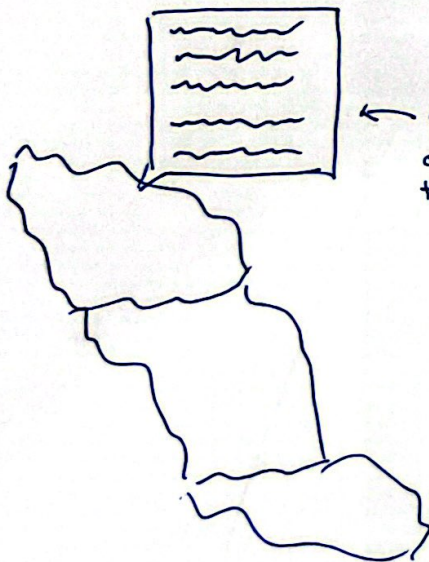
- Compare & contrast the election results of political parties.
- An overview of the distribution of political parties' parliament seats won.

Use party brand colors to uniquely identify each other.

- - Party 1
- - Party 2
- - Party 3
- - Others

Users can click on a political party to show the ~~st~~ parliaments on the map where they've won

Show the most famous political parties as their own. Otherwise, other smaller political parties are categorized as 'Others'



Show additional information of selected state via a tooltip.

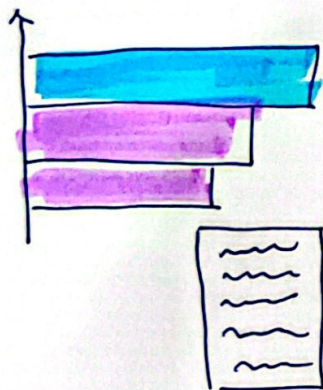
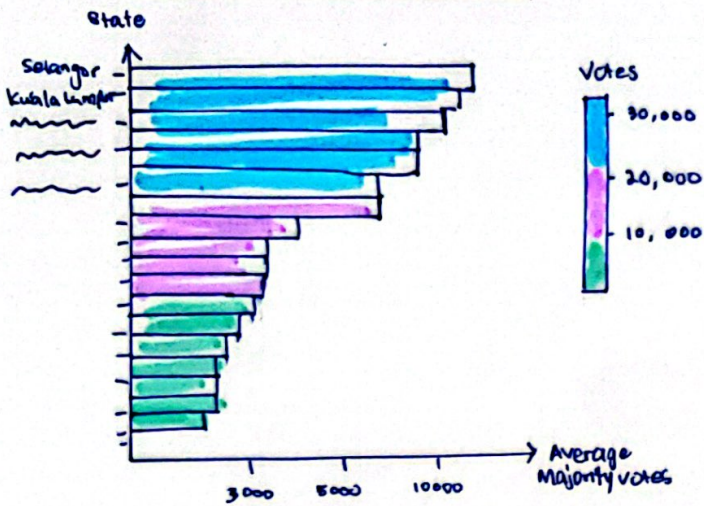
PROS

- Users can click on a parliament on the map to see additional information via a tooltip such as the candidate & # of votes.
- Easily identify political party interested by their brand colors.

CONS

- At parliament level, it may be hard to see one where the area size is small.

Average Majority votes by state



- Sort it according to majority votes descendingly
- Display top 10 states

Tooltip on mouseover.

Title: Data visualization 2

Author: Tay Ishung Wen

Date: 10/8/2024

Sheet: 3

Votes.

Task: Average majority by State

- Compare & contrast the number of voters ballots by state.
- Identify the best performing state.
- Identify the worst performing state.

Pros

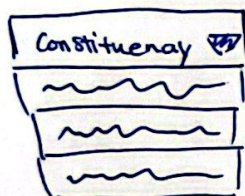
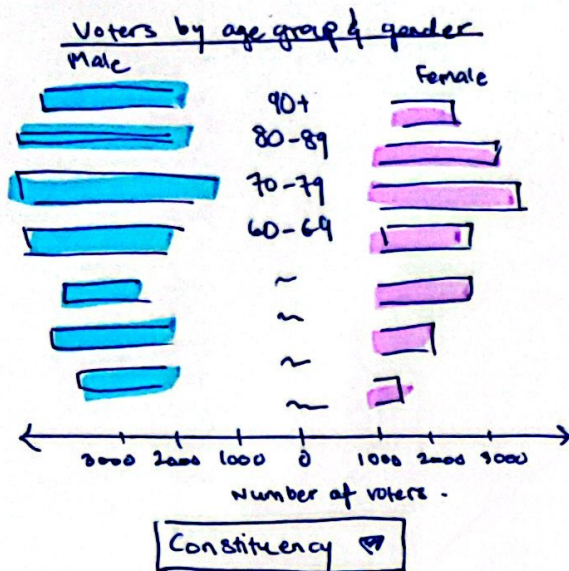
- The states are ranked according to their average majority votes to easily identify the top performing state.
- Tooltip for additional info on highlighted state

Cons

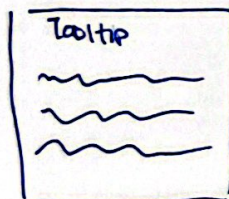
- Different hues, for different quantitative values.

⊕ Only shows the top 10 states with highest highest avg. majority votes

⊖ Hard to do analysis on the worst-performing states.



← Filter by clicking dropdown menu on interested constituency.



← - Show tooltip on mouseover.
- Information such as # of voters, gender, age group, etc.

TITLE: Data Visualization 2

AUTHOR: TAY TSHUNG WEN

DATE: 10/8/24

SHEET: 4

TASK: VOTERS BY GENDER & AGE GROUP

- Compare & contrast the demographic of voters by ~~state~~ constituency.
- Compare & contrast the demographic of voters by gender
- Compare & contrast the demographic of voters by age groups.

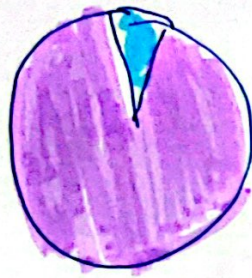
PROs

- ⊕ Allows users to perform up to three analysis (i.e., age group, gender & constituency).
- ⊕ Users can query on their interested constituency.
- ⊕ Get more information on hovered bar via a tooltip.

CONS

- ⊖ May be too complex for readers to interpret.
- ⊖ Difficults to compare between constituencies without having to filter them.

Constituency Voters by Type



Voter Types

- Early Army
- Early Police
- Postal/Overseas
- Regular.

constituency

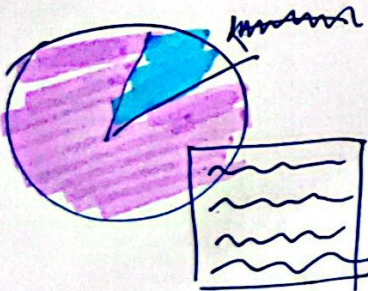
Fun Facts

XX.Xm
voters
are eligible to
cast ballots ~~~~

XXXXX
~~~~~  
~~~~~  
~~~~~



- Users can select constituents that they're interest in their analysis.



- Display additional information via a tooltip.

### Voter types

- ☐ - ~~~~
- ☐ - ~~~~
- ☐ - ~~~~

- ← User can select a legend to highlight it in the pie chart.

TITLE: DATA VIZ 2

AUTHOR: TAY TSHUNGWEN

DATE: 10/8/24

SHEET: 45

TASK: CONSTITUENCY VOTERS TYPES

- Compare & contrast voter types by constituencies.
- Can analyze how many citizens overseas participated in the election.
- Identify the significant distribution of voter types in a constituents.
- Get interesting facts about the domain.

### PROS

- ⊕ Users can query for specific constituency by selecting on the dropdown menu to assist in their analysis.
- ⊕ Get additional information by hovering over a pie slice for specific details.
- ⊕ Highlight voter types by selecting a legend to better stand out from others.

### CONS

- ⊖ High disparity may cause this chart to be irrelevant.
- ⊖ may be hard to see lowest proportions.