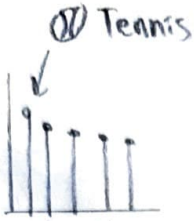
IDEAS

Title: History of Mens Tennis
Author: Nikola Vukosavljevic
Date: 2/10/2024
Sheet: 1
Task: FIT3179 Assignment 2

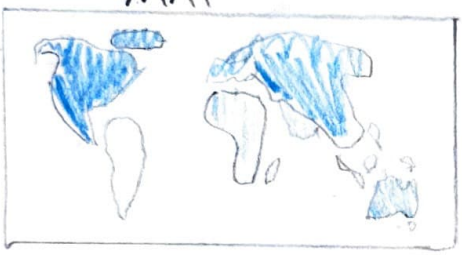
Top Players:



Surfaces:

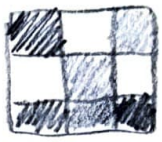
MAP

Country Win Count

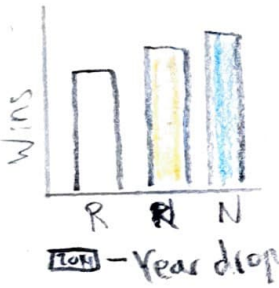


Tournament Locations

Head to Head

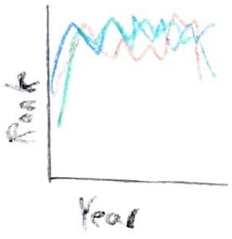


Big 3



Wins (proportions)

Rankings



FILTER

Surfaces:

Pie chart can be used for grand slams whilst Tree map can be used for all tournaments, but will be hard to create.

~~Big 3~~ Lollipop chart: ~~instead of bar chart it can be~~ bar chart would be easier to show tool tips as it is wider

CATEGORIZE

BIG 3 Data:

- Stacked bar chart
- line chart
- Heat map

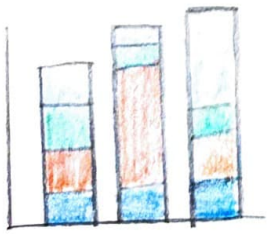
WORLD DATA

- Surface (Pie chart or Tree)
- Bar chart
- World Map

COMBINE

Big 3 bar chart

We can make the surface wins and total wins combine to make a stacked bar chart.



Questions

Does this provide info on the history of tenns?
- yes, World focuses on everyone
- yes, Big 3 will focus on the 3 most important figures

Variety in charts?
- Could be too many bar charts, but there is a good mix

User interaction?
- Most charts will be able to be changed by the user such as changing the dates or zoom of the map.

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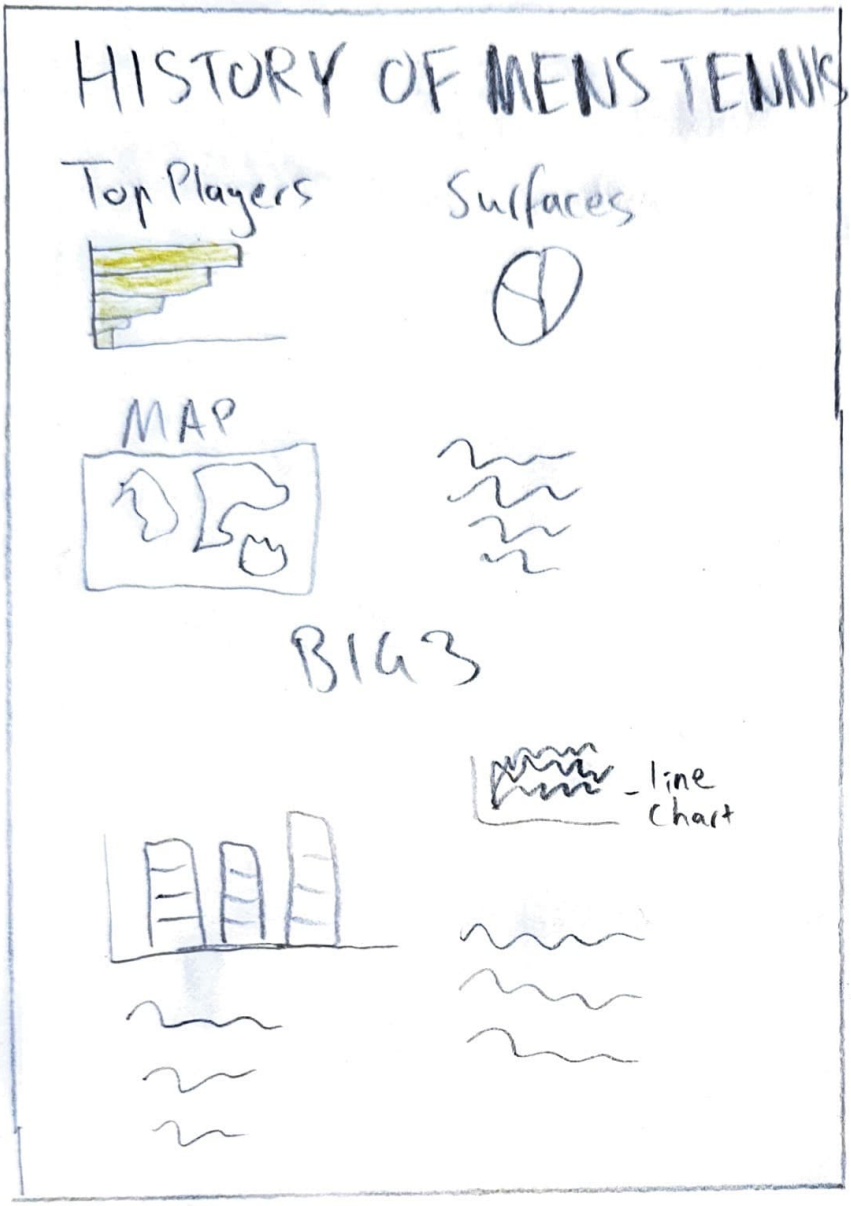


OPERATION

Surface

When a surface is hovered over, could show the number of each type of surface it has (2000, 1000, 500, 250)

DISCUSSION

Advantages

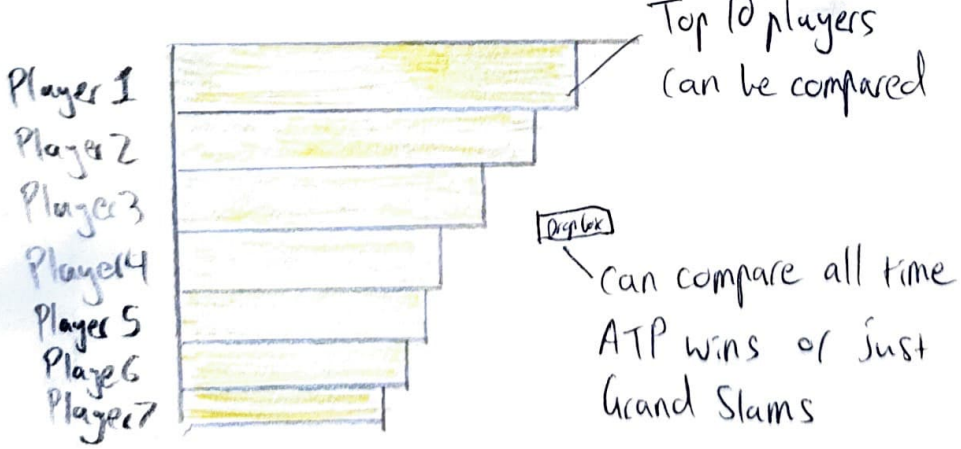
- Layout is easy to follow
- All charts are easy to understand
- Bar chart drop box lets user filter all ATP tournaments or only Grand Slams

Disadvantages

- Too basic charts
- Storyline may be hard to string together

FOCUS

Top 10 Players



Basic chart, but very informative

LAYOUT

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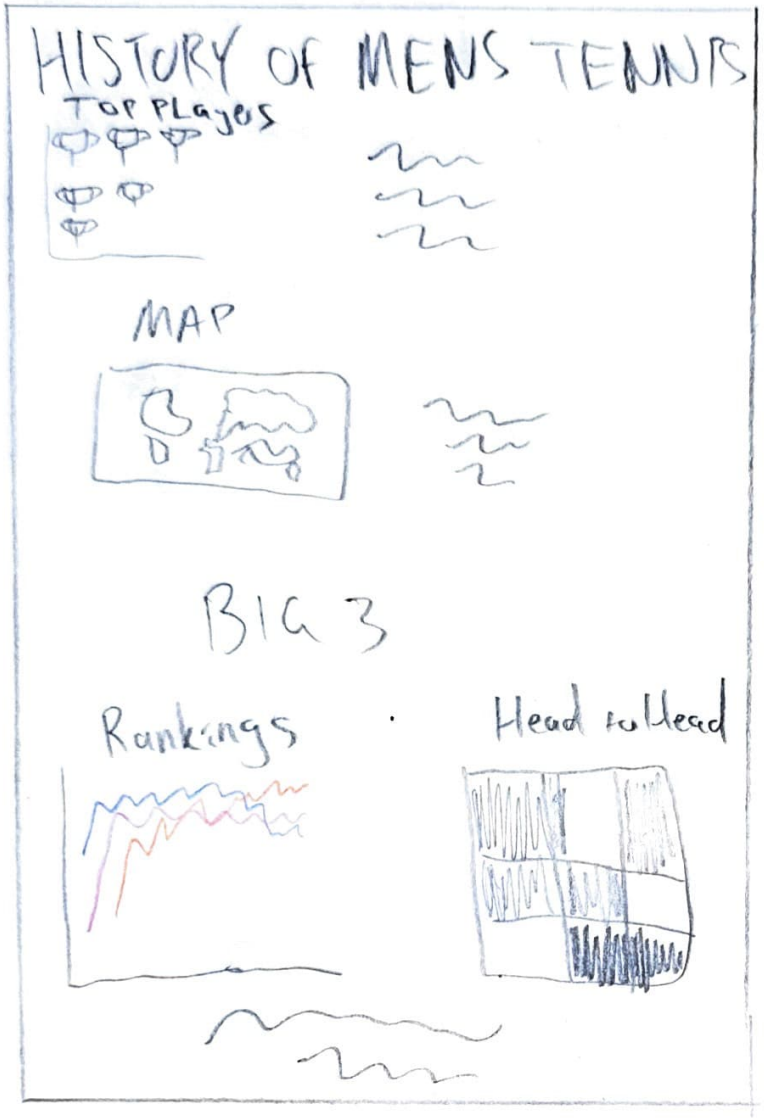
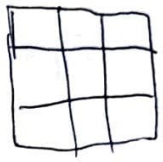


OPERATION

Line chart has box to change zoom level of rankings chart.



Head to Head will have tool tip that shows the win/loss rate of the two players.

DISCUSSION

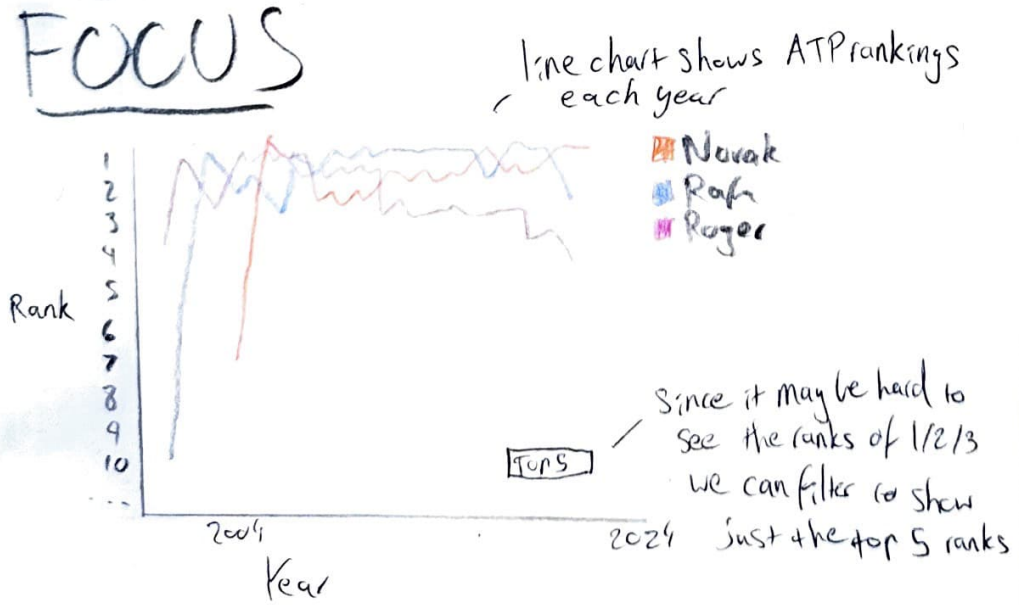
~~Adv~~ Advantages

- Line chart is a good way to compare top 3. The Outer Zoom showcases just how dominant the big 3 were.

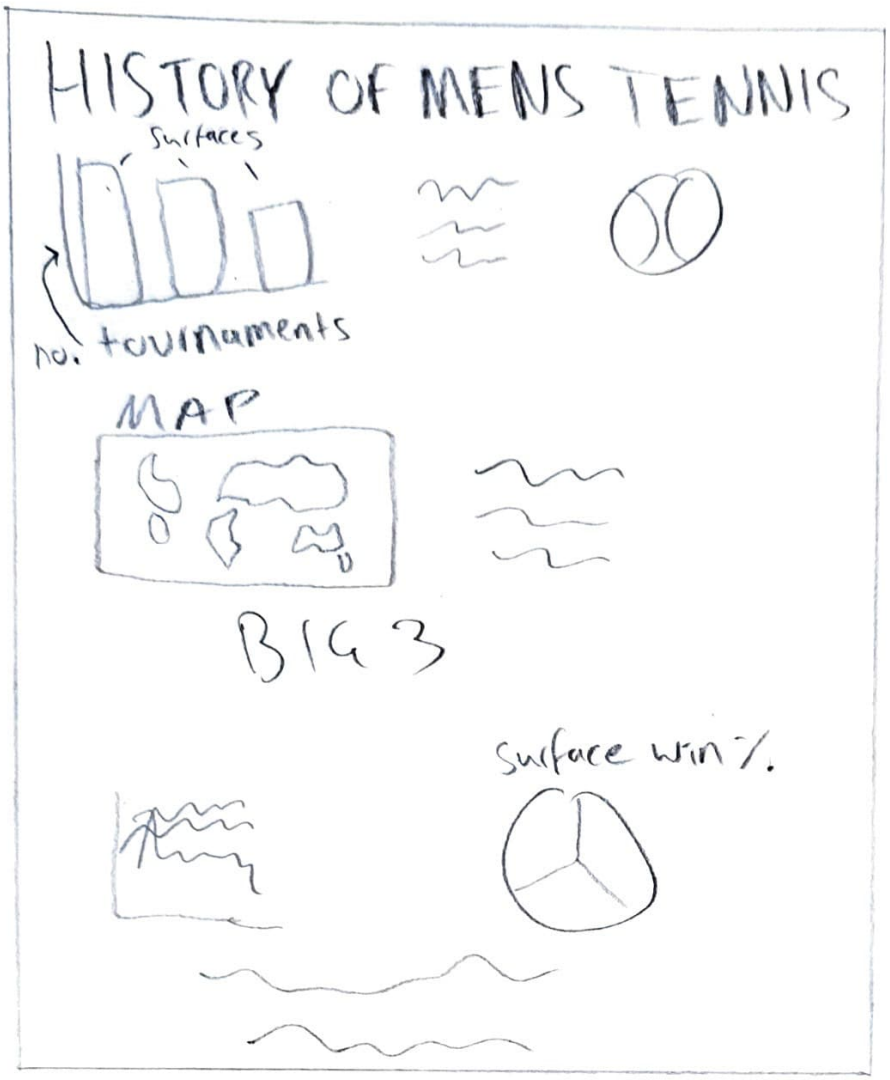
Disadvantage

- there are over 100 ATP wins so the trophy icons maybe too much

FOCUS



LAYOUT



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OPERATION

Map
- add a zoom feature to see smaller countries easier
- tool tip shows number of wins

DISCUSSION

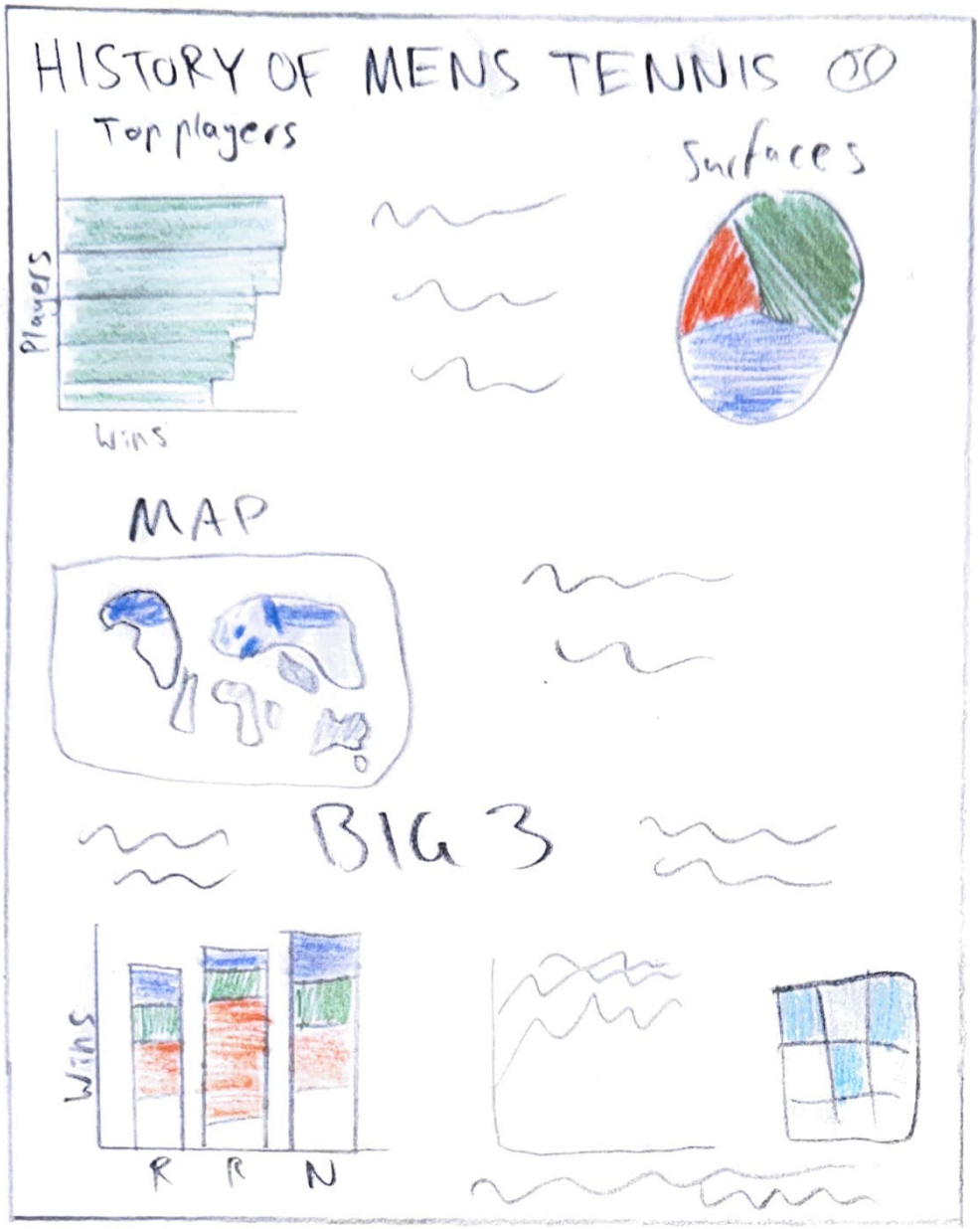
- Advantages
- World map is an interesting way of showcasing which countries have won the most

- Map must have grey for countries with 0 wins to keep the map looking good

FOCUS

choropleth map
- Number of wins by each country
- more wins means darker colour
- no normalisation needed since we are counting total wins

LAYOUT



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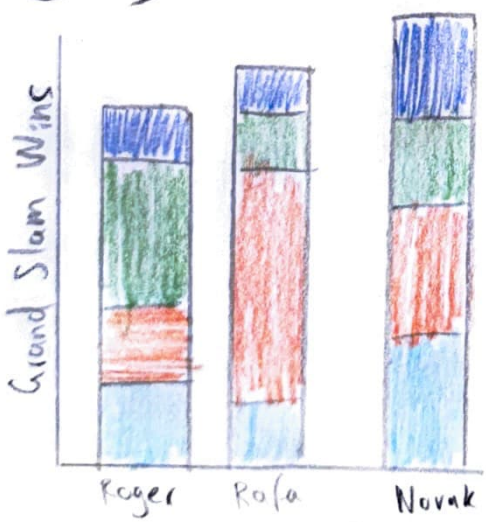
OPERATION

- Drop boxes
- will be used to change
  - Zoom
  - Years
  - Grand Slams / All events

By making the most use of drop boxes, The user can visualise the most data.

DETAILS

- Dependencies
  - exel
  - csv files
  - Vegalite
- Estimated time
  - 1 week
  - Using html will not be easy and formatting will take time
- Requirements
  - Will need a github account to update all data
  - Laptop to create visualisations on VS code

FOCUS