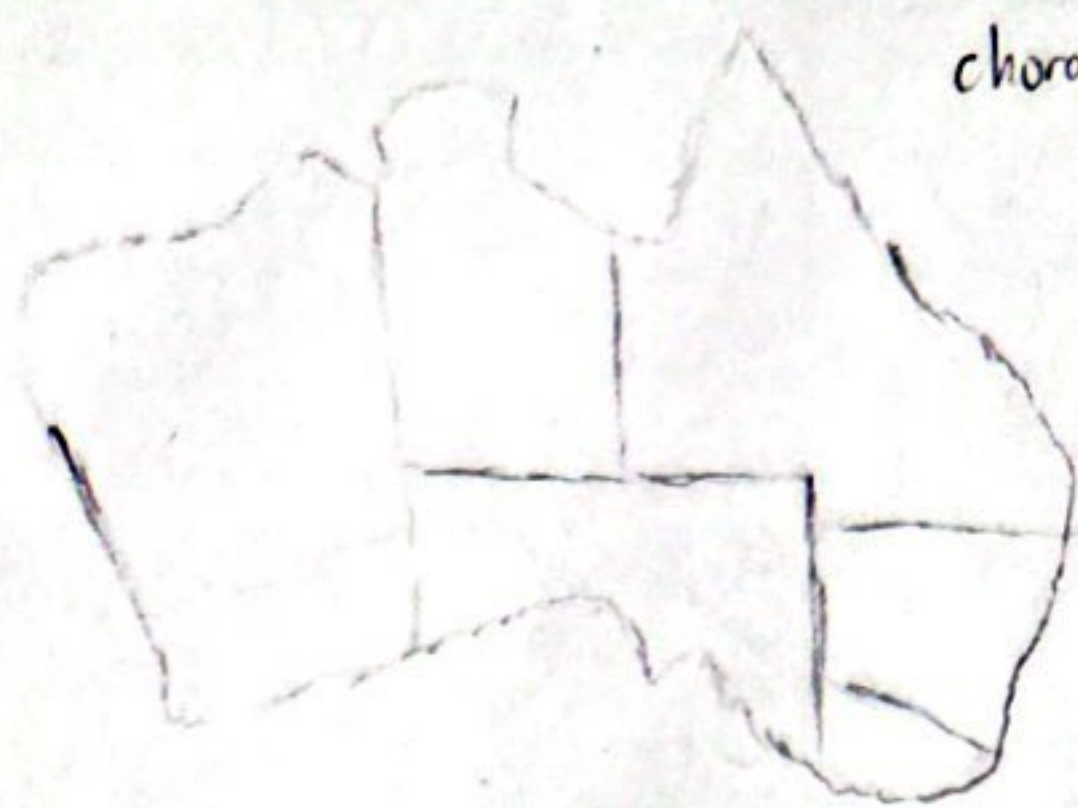
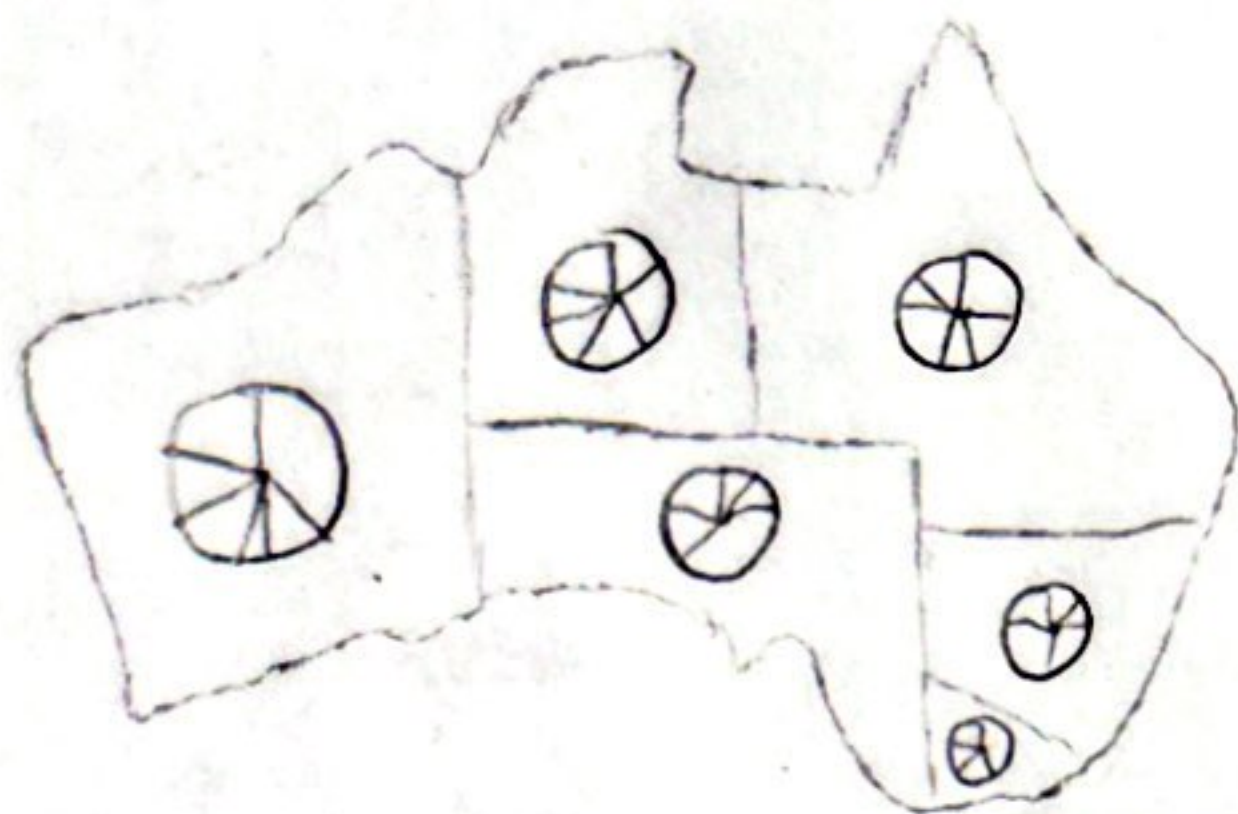
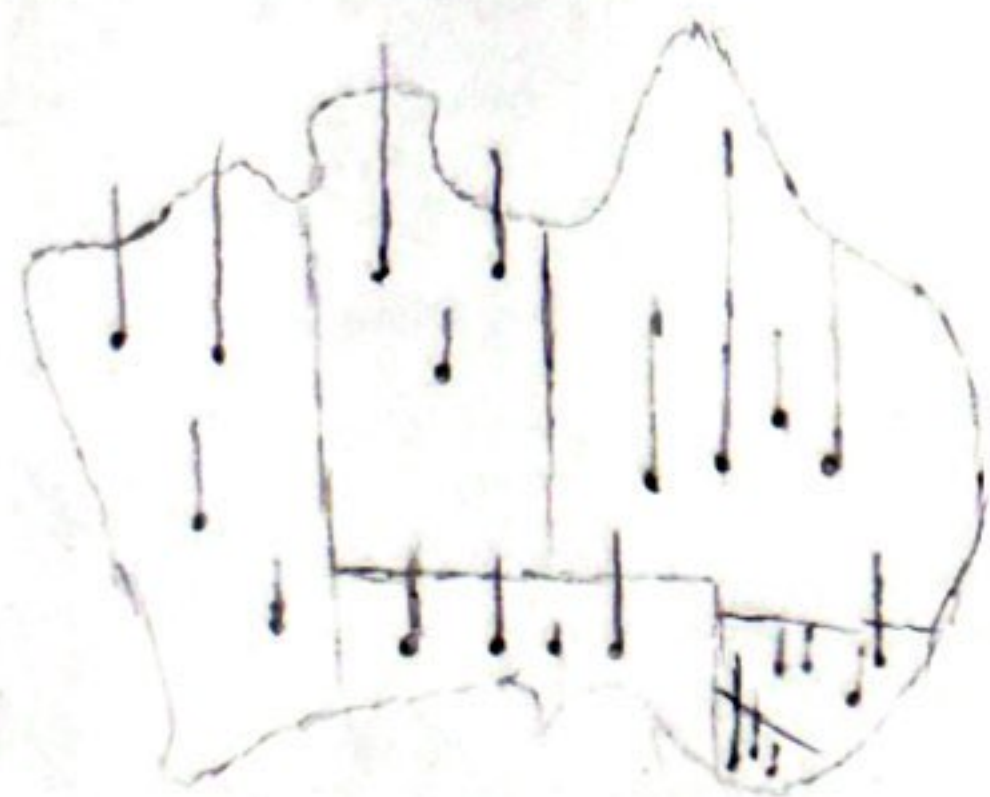
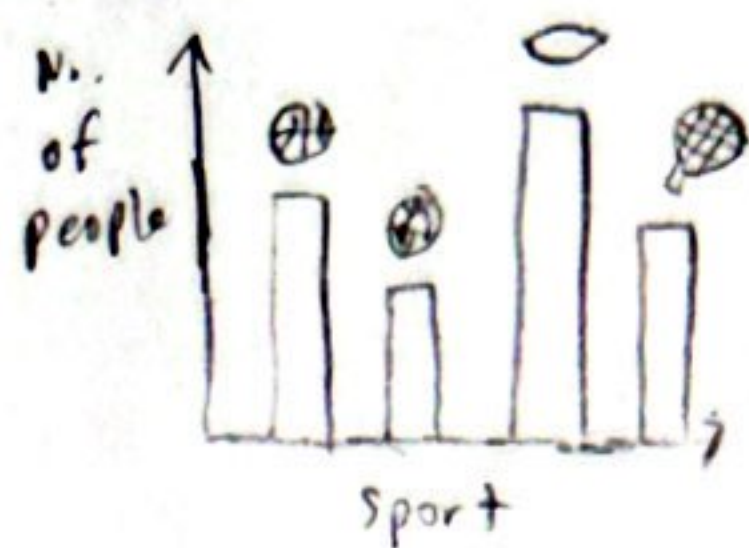


1. Ideas

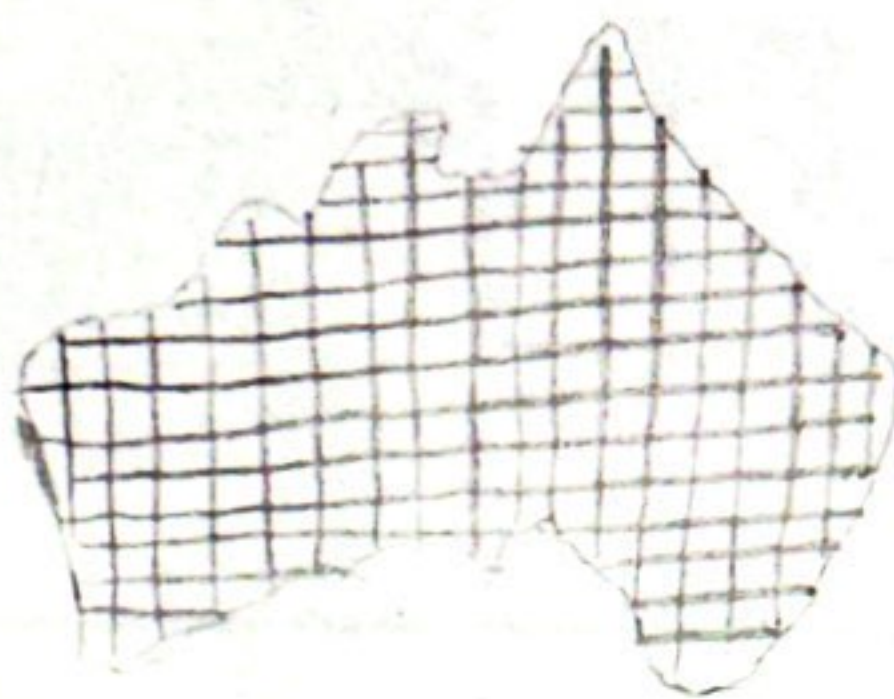
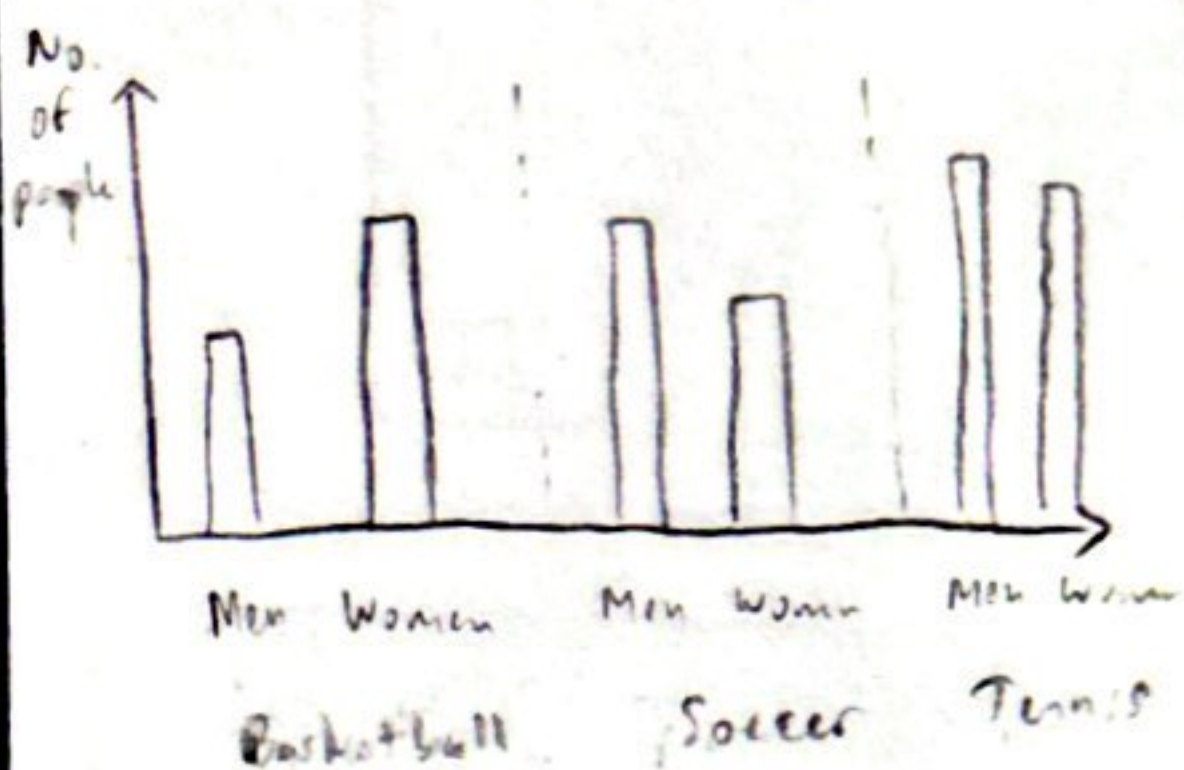


choropleth

click to view more
→ in-depth stats for
sports in each
region



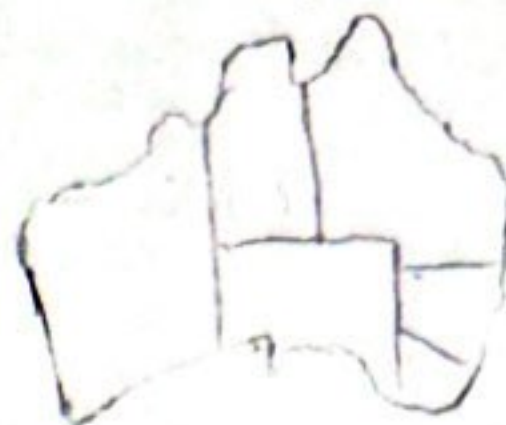
Breakdown of
how popular
a sport is



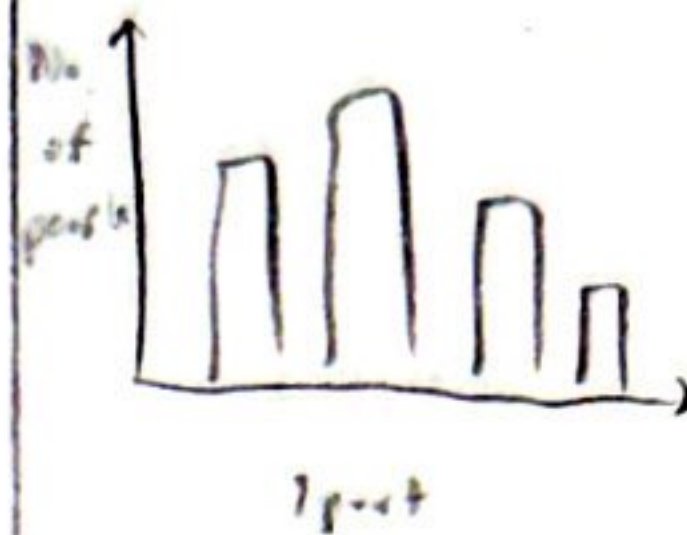
What sport is dominant
at a specific area

2. Filter

No bar map, hard to get data for specific area.



So just choropleth

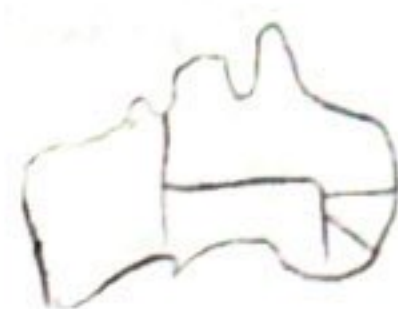


Some sort of bar
chart for more
detailed information



Pie chart for relative
data

3. Categorize



Data according
to state

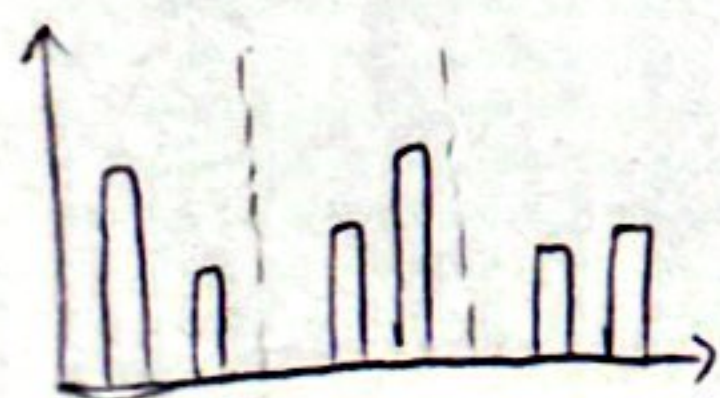
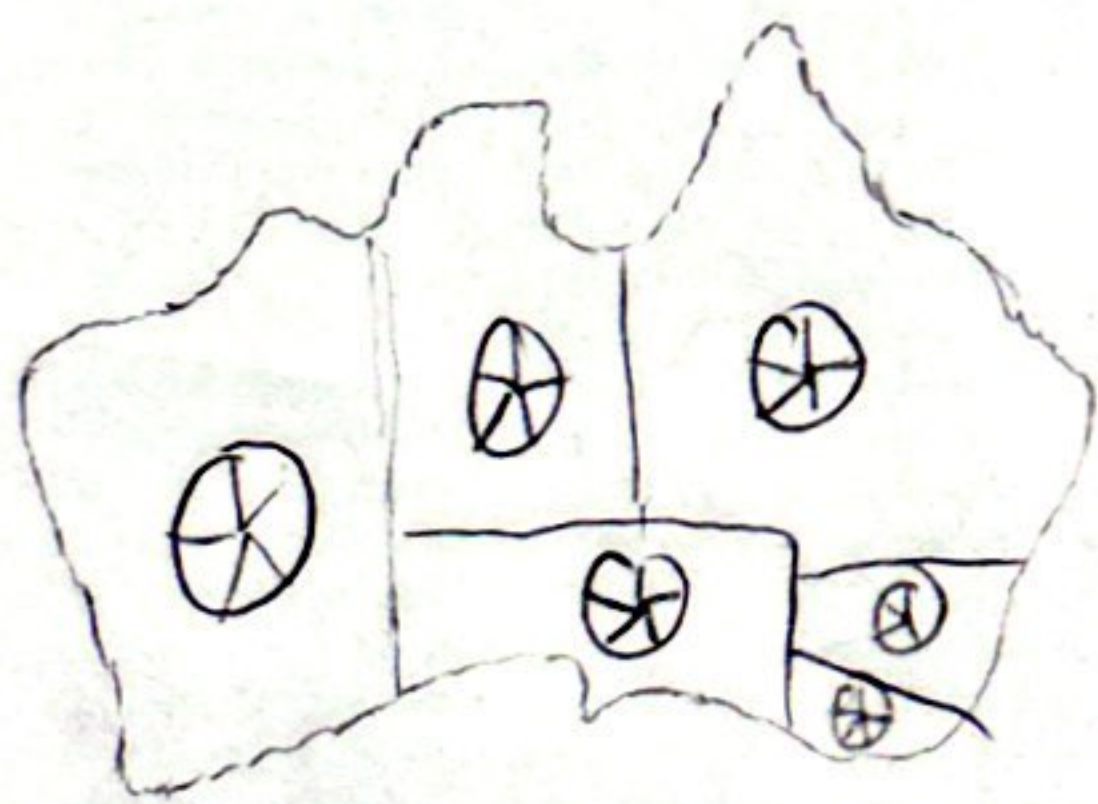


Detailed information.
Age or gender
breakdown for each sport.



Sports popularity
relative to each other

4. Combine and Refine



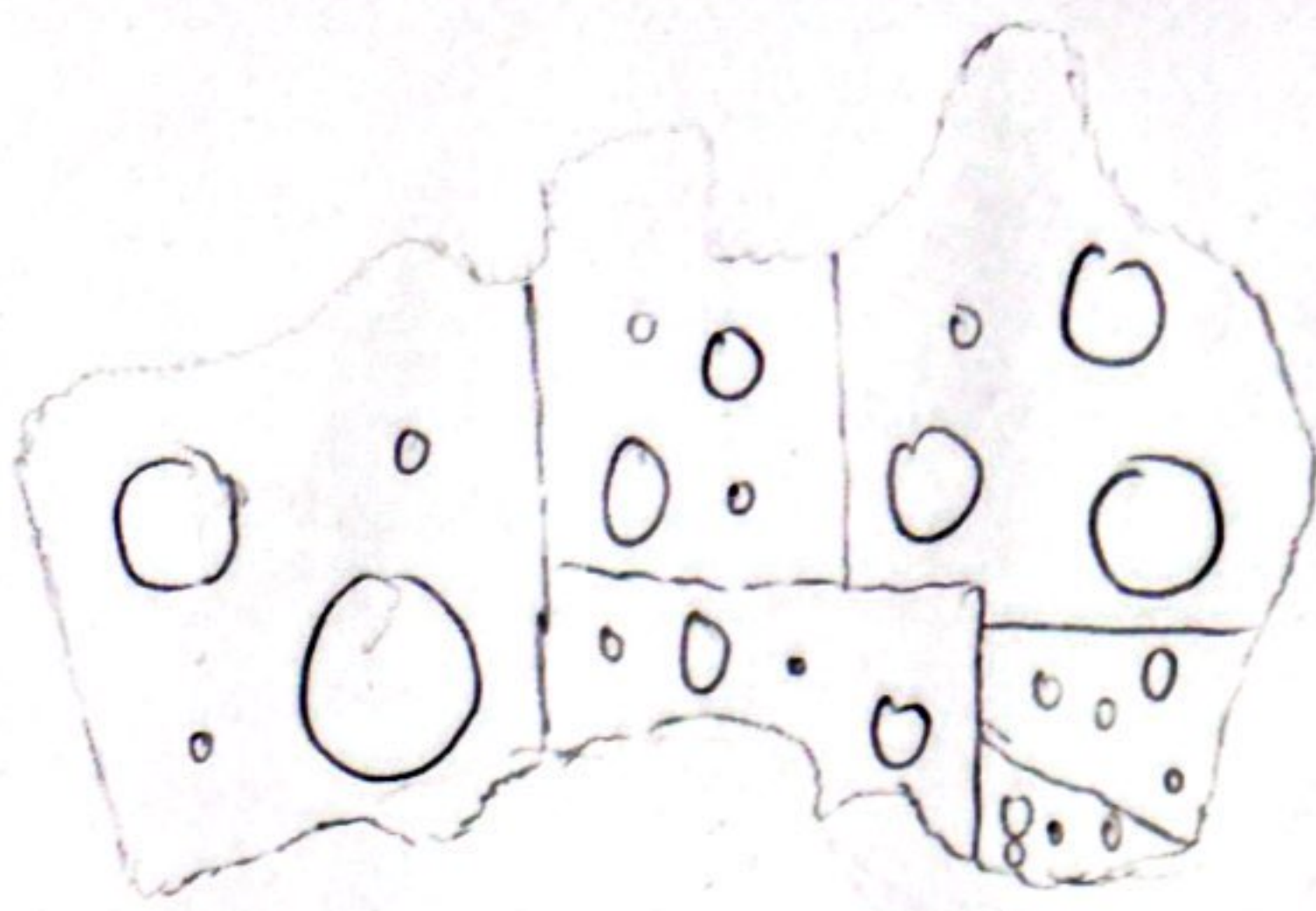
Stacked
bar
chart

to show people who does and doesn't do sports

Question

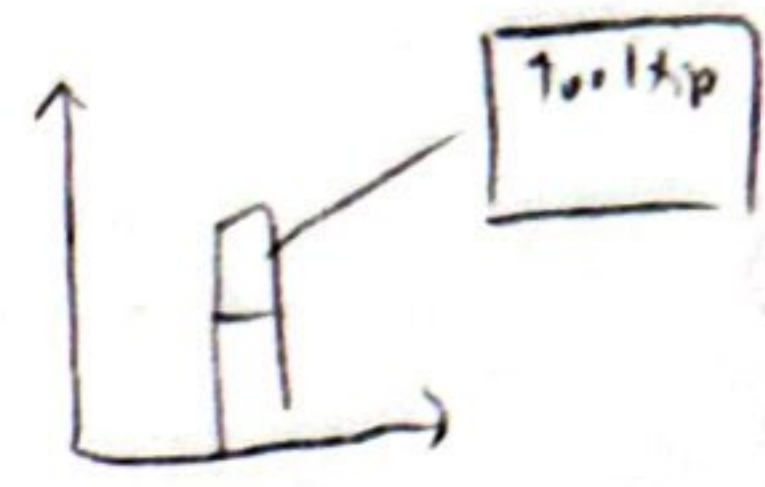
1. What other data can be shown using the map?
2. What other icons can be used to encode relevant data?

Layout

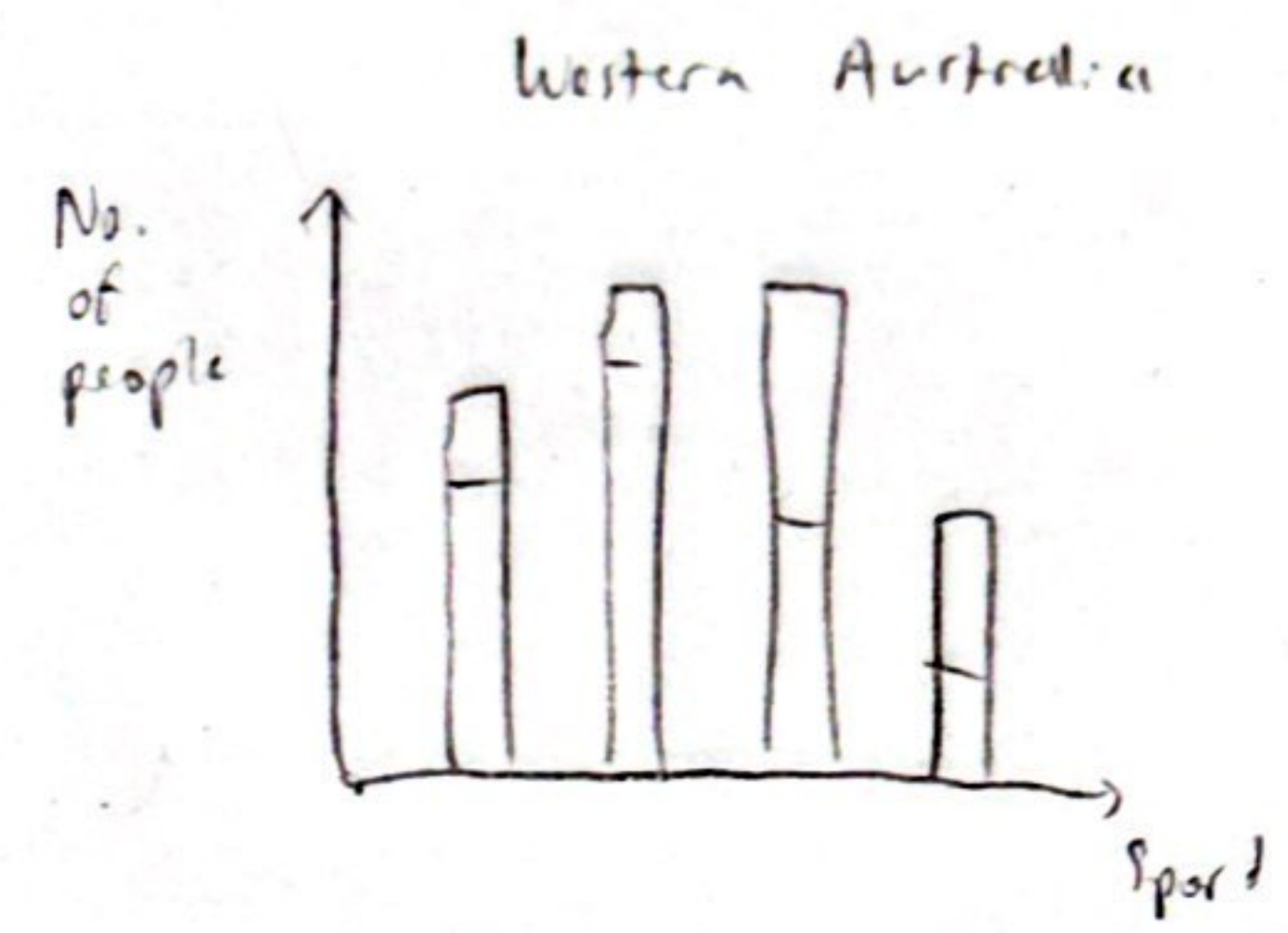
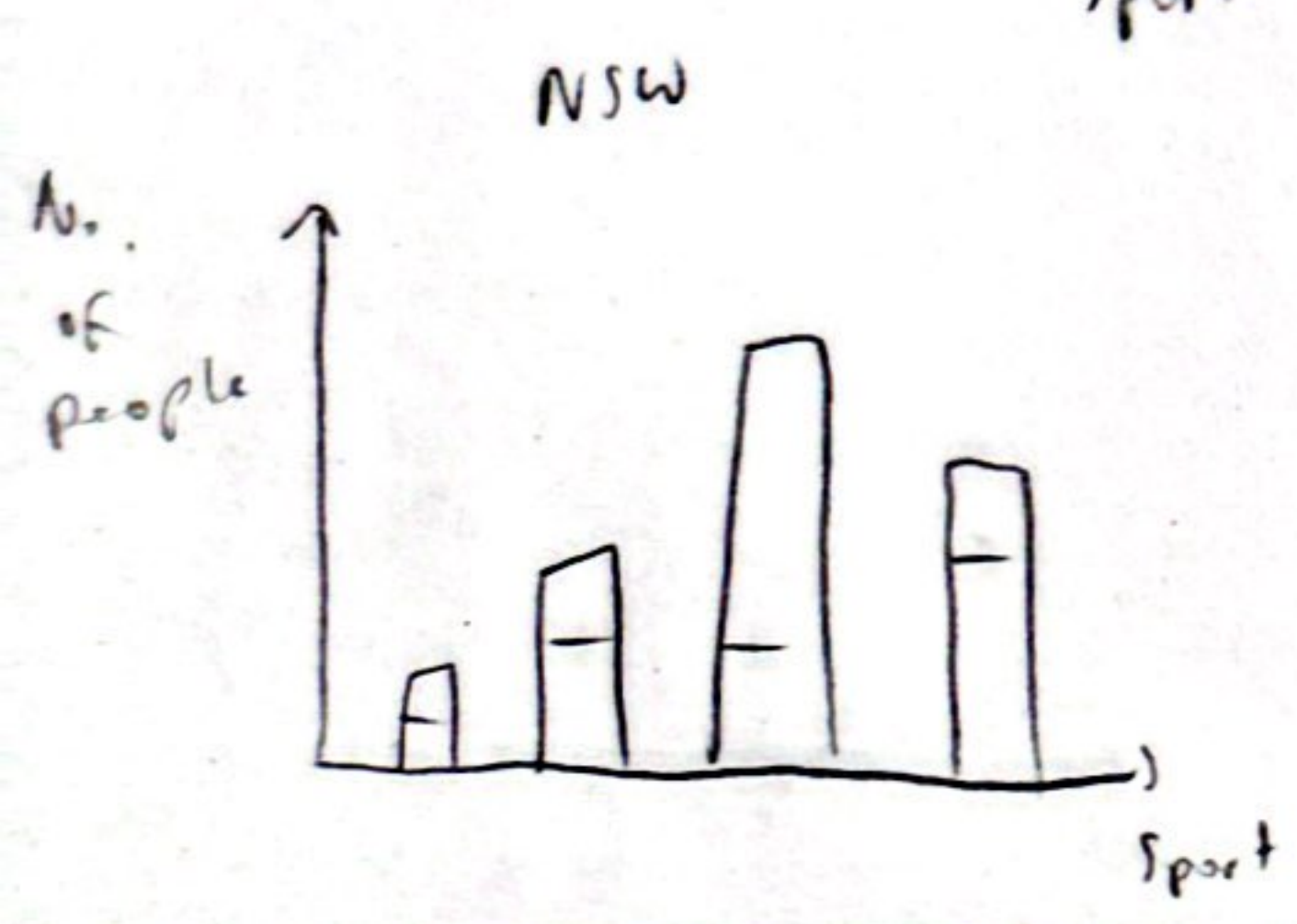
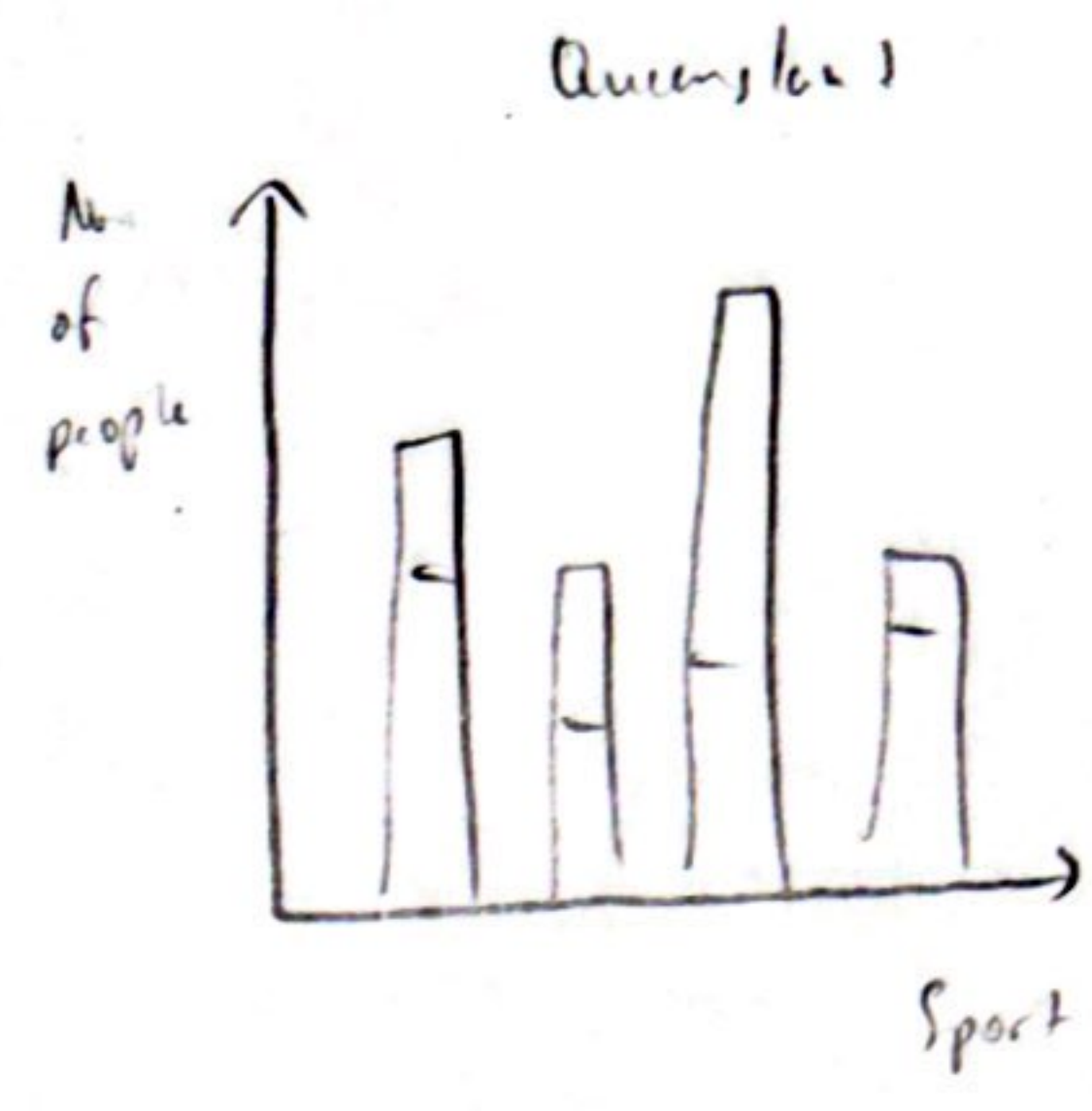
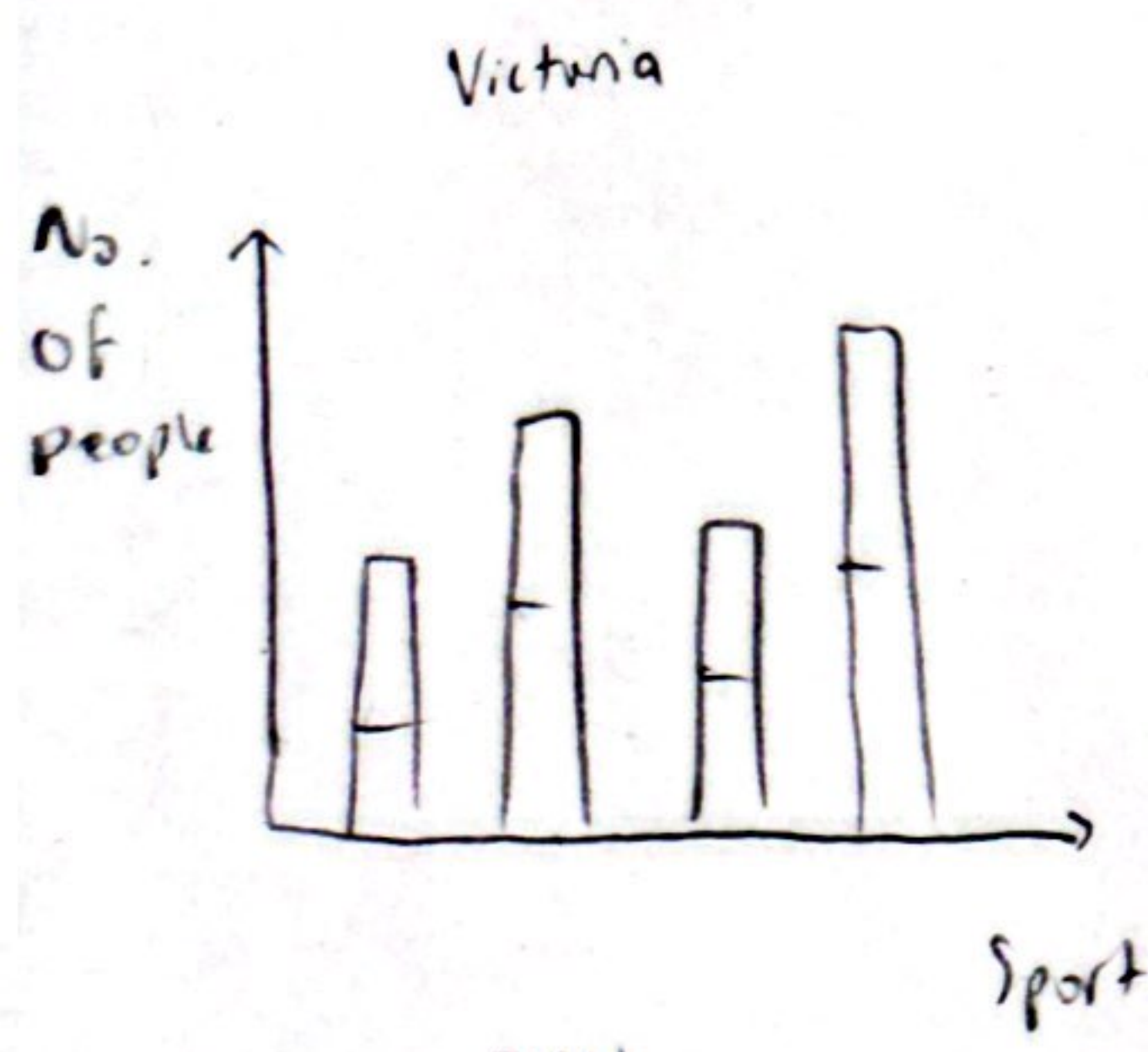


Title: Proportional Symbol Map
Author: Henryaldi Matro
Date: 14-09-2024
Sheet: 2
Task: Represent sports popularity using area

Operations



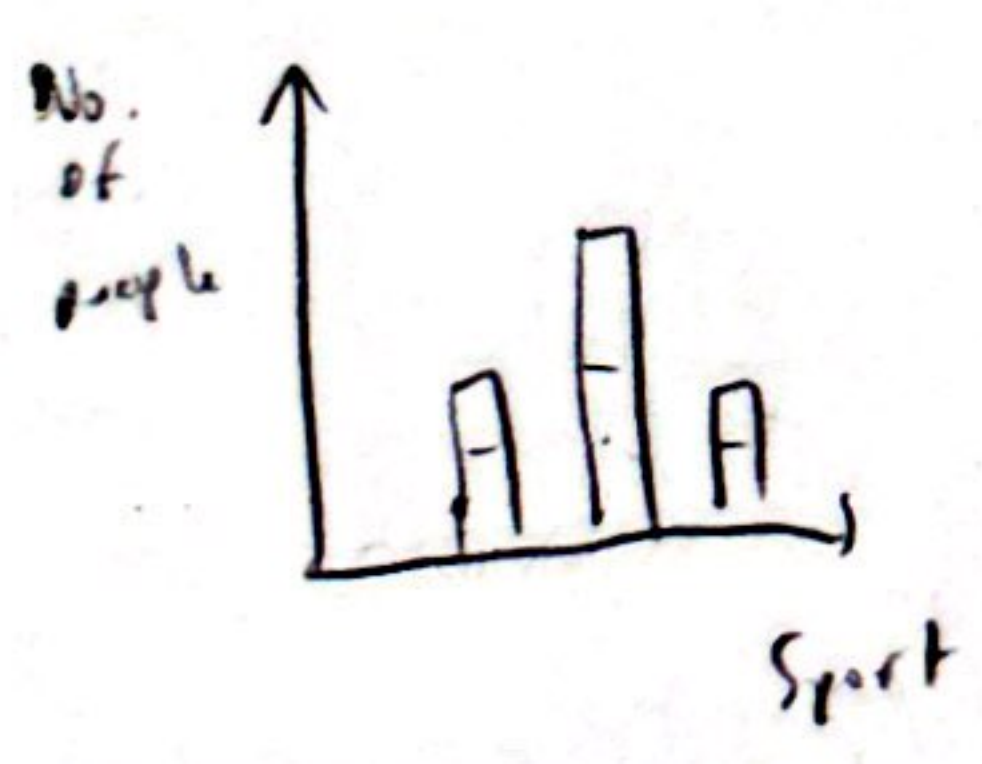
• Option to change view of data to show age or gender



Focus

More focus on the number of people playing in each sport in each state.

Proportional symbols to give a good idea

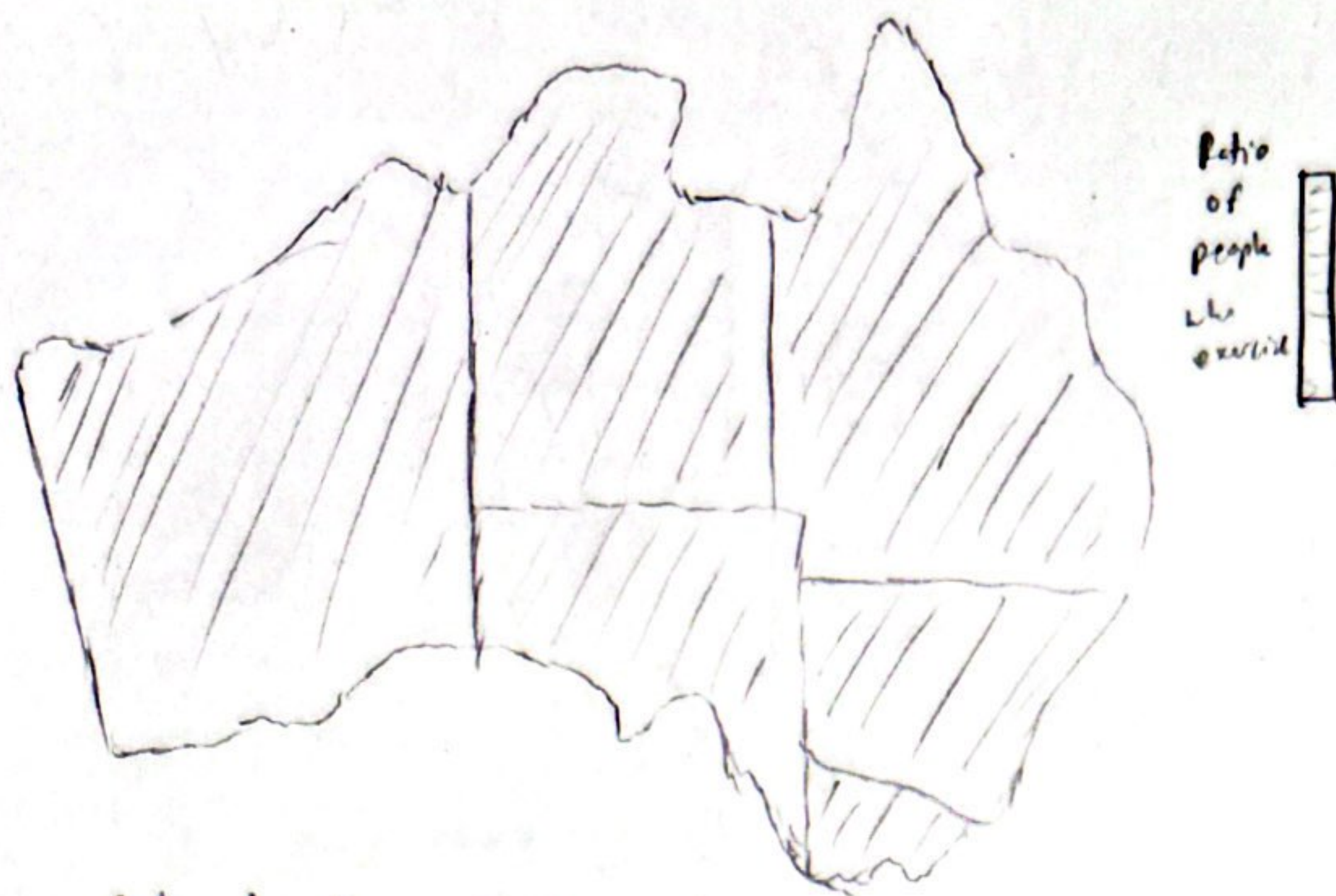


Bar chart to show more specific breakdown on people in each sport.

Discussion

- Are the idioms repetitive?
- Should more information be shown?

Layout



Colored by number of people actively participating in sports



VIC

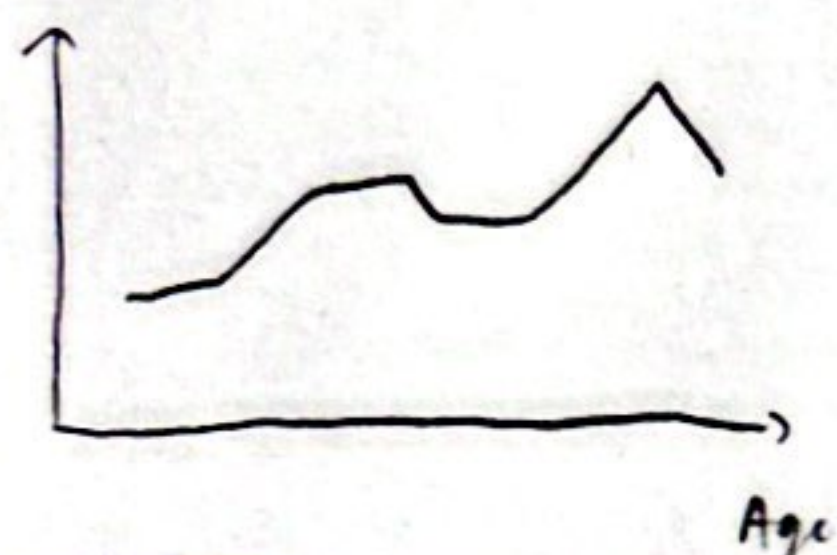


NSW



Queensland

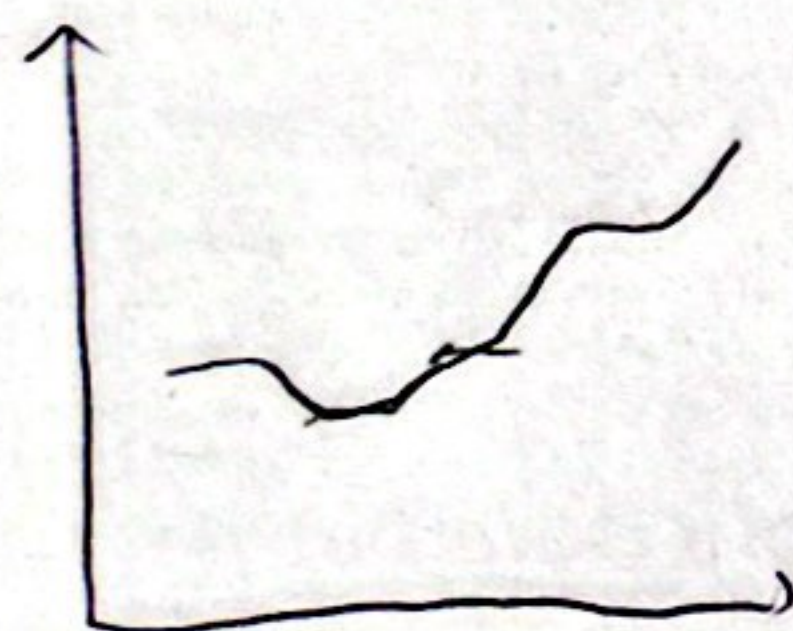
How often do people exercise



→ For each state

Focus

Focus on how active the population of Australia is.



Line chart represents the frequency for each age group



Pie chart to show people who exercise often vs those who don't

Title: Choropleth activity

Author: Henrygold: Auto

Date: 14-09-2024

Sheet: 3

Task: Capture the activity level of Australia's population

Operations

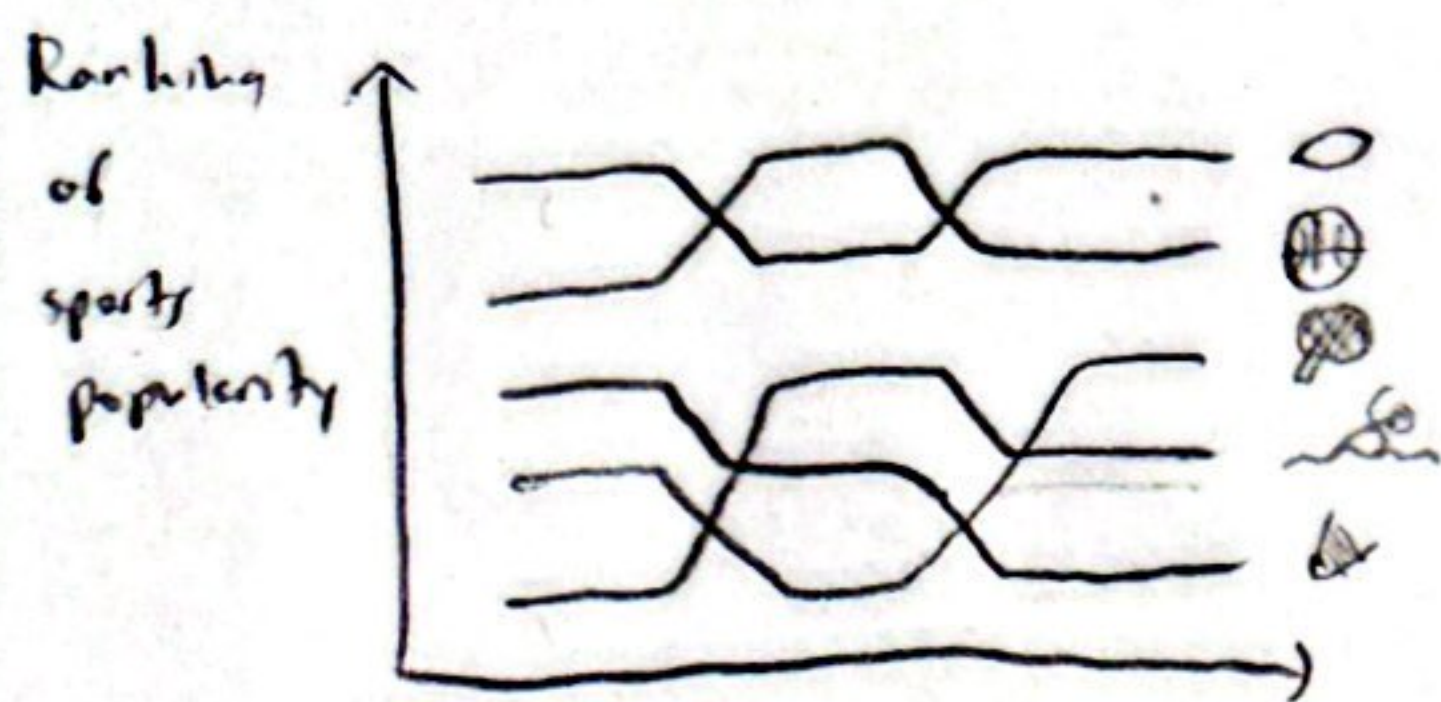
- Filter each state.
- ↳ Highlight states across all idiom.

Discussion

- Should specific sports also be included?
- Is there an idiom that could be a better substitute for the line chart?



Bump chart



Title: Relative popularity

Author: Henryaldi Matio

Date: 14-08-2024

Sheet: 4

Task: Compare sports against each other in terms of popularity.

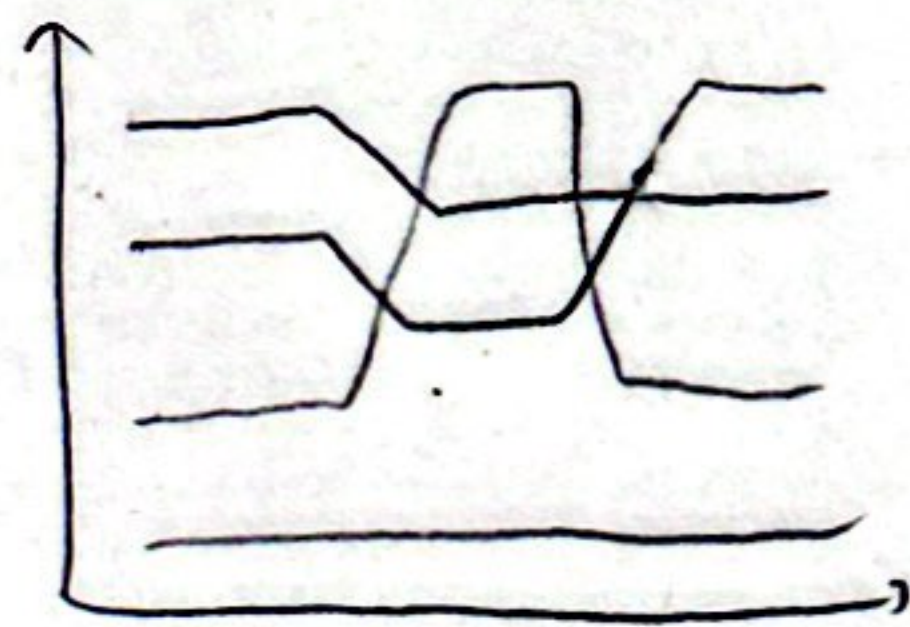
Operations

• 2000 2023

Year slider to view data for each year.

Focus

Focus on how popular a certain sport is across different states

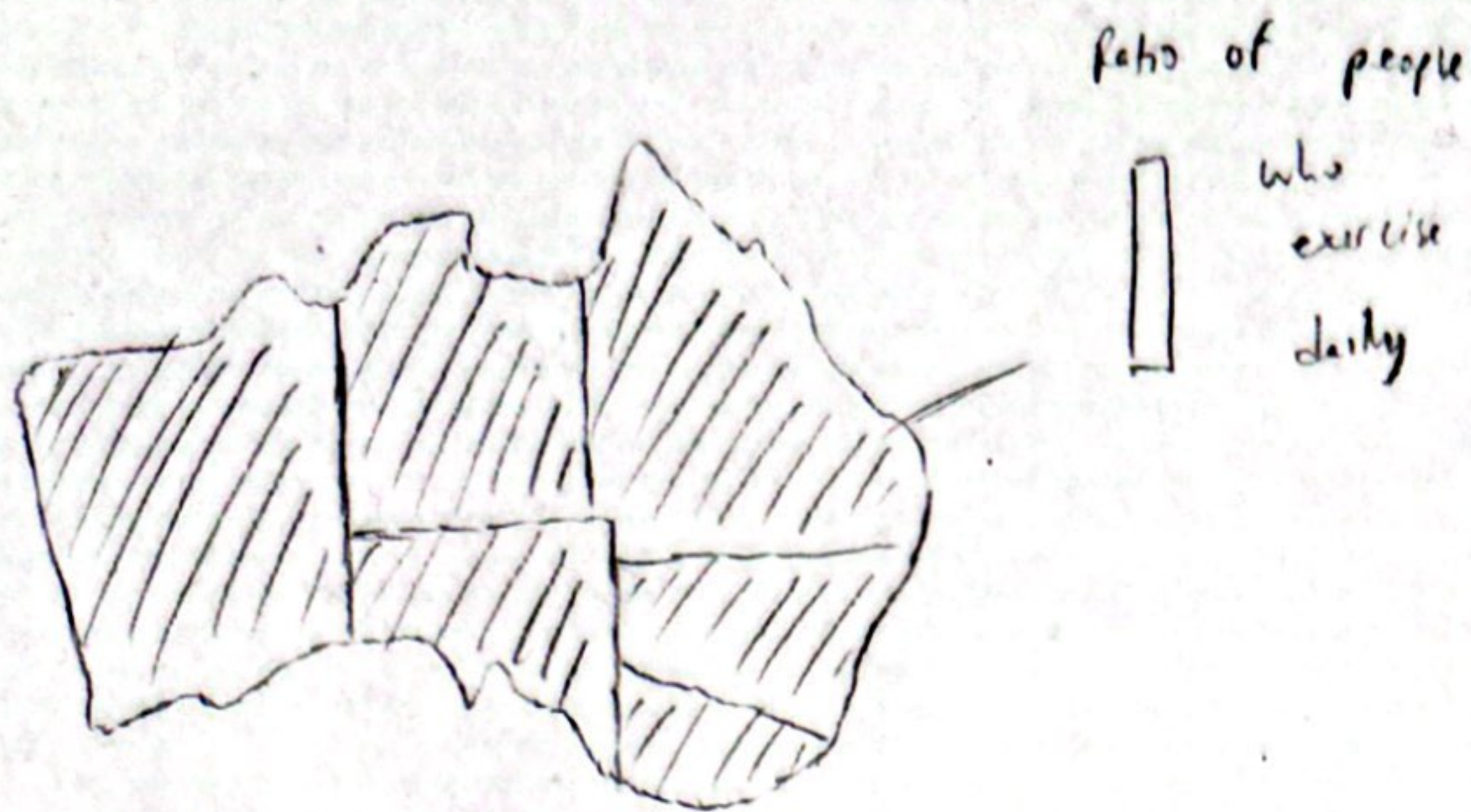


Bump chart shows popularity across time.

Discussion

- How valid are the data from earlier years?
- What more can be elaborated from this data?

Layout



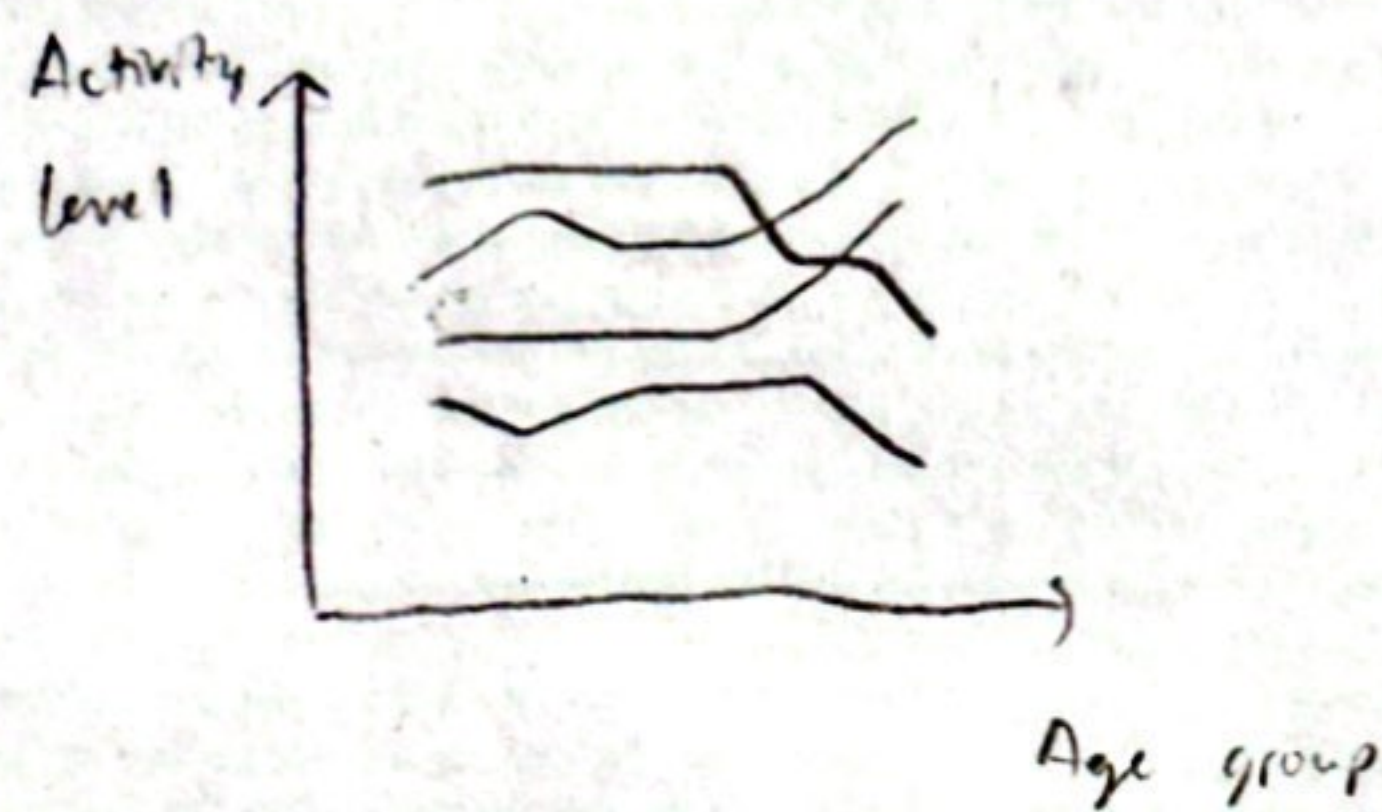
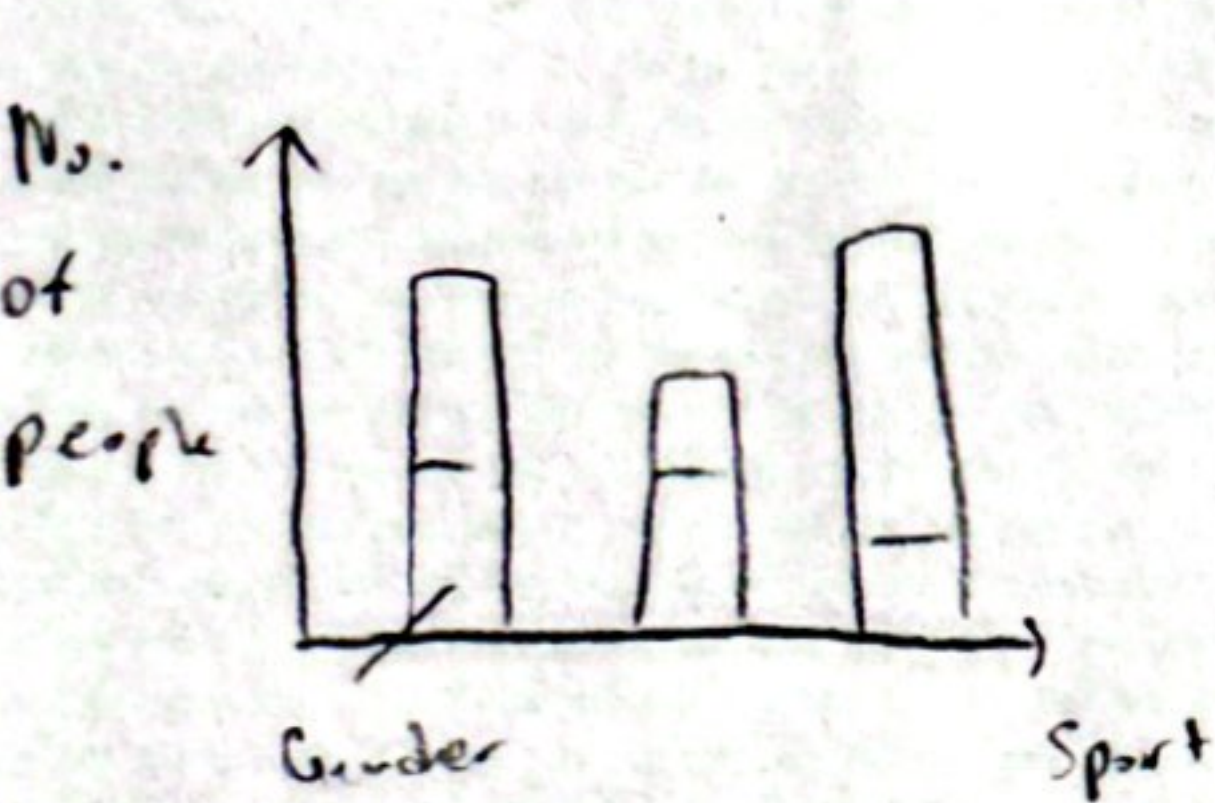
VIC



NSW

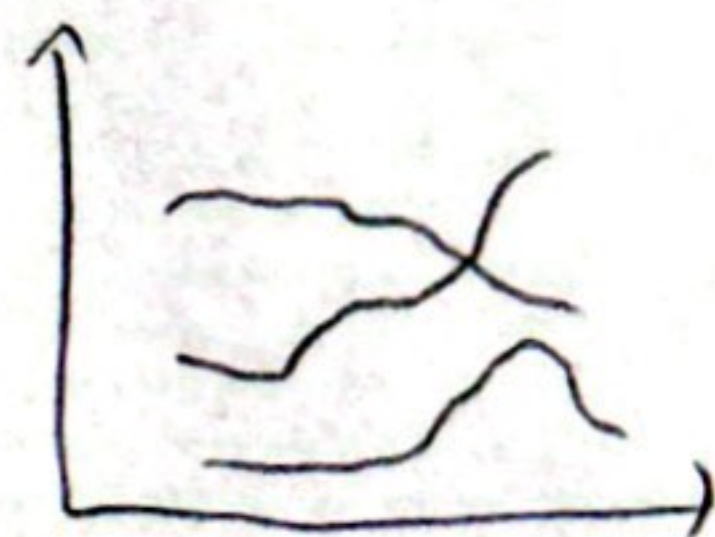
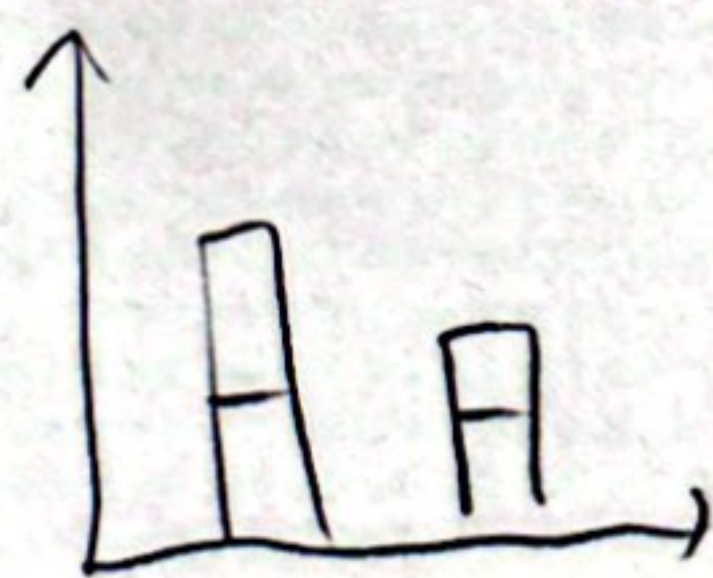


Queensland



Focus

Focus on how active people of Australia are in each sport.



- Charts give more detailed information and demographic breakdowns.

- Map for more general view

Title: Final design

Author: Henryalde Moto

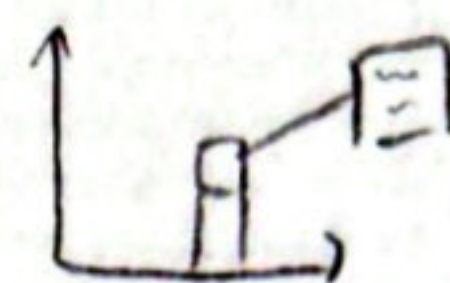
Date: 14-09-2024

Sheet: 5

Task: Capture how often people do specific sports in Australia

Operations

• Tooltips to look at more detailed information



• Filter for each state.

• Zoom to a specific area on the map

Detail

- Use Vega-lite to create datasets and map.

- Estimated schedule

→ 1 day for map.

→ 1 day for bar charts

→ 1 day for pie charts

→ 1 day for added interactivity

- Laptop and datasets are required to be readily available.

- HTML, CSS, and JS for website