

# IDEAS



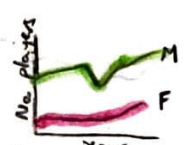
colour =  
player  
proportion

1. choropleth  
map  
Australia

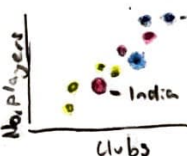


colour =  
player  
proportion

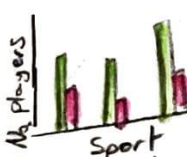
2. choropleth  
map world



3. Line graph



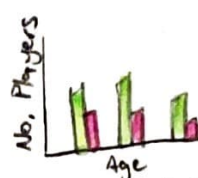
4. Bubble chart



5. Grouped bar chart



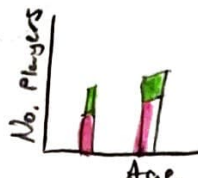
6. Area chart



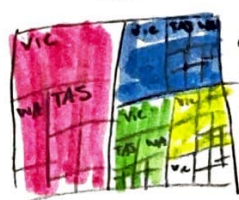
7. Grouped bar chart



8. Pie graph



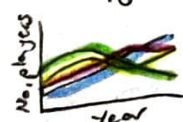
9. Stacked bar chart



10. Treemap



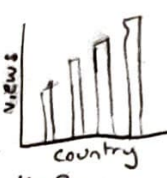
11. Population pyramid



12. Line chart



13. Connected dot plot



14. Bar chart



15. Proportional symbol map  
size =  
% domestic players

Harper Rackham  
33143188  
sheet 1

## FILTER

Population Pyramid



Not enough age data to create

Treemap



challenging to interpret

## CATEGORISE

World Data

- Viewership and participation
- 2025 only
- 2, 4, 14, 15

State Comparison

- Participation
- Over time and by sport
- 1, 6, 10, 12

Gender Comparison

- Participation
- Over time and by sport
- 3, 5, 7, 8, 9, 11, 13

## COMBINE + REFINES

World Data

- Enhance 2 or 15 by allowing zoom, especially for Europe
- Select key countries in 4 and clearly label

State Comparison

- Choose 1 over time
- Stacked area better than line for visibility
- can do multiple stacked area to separate sports

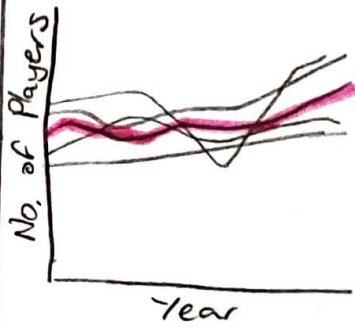
Gender Comparison

- Choose 1 over time and one by sport/age
- Grouped bar good for comparison

## QUESTION

- How do I make each chart unique?
- Is there a way I can make the idiom feel more innovative?
- How can I clearly label the bubble plot without confusion about which bubble?

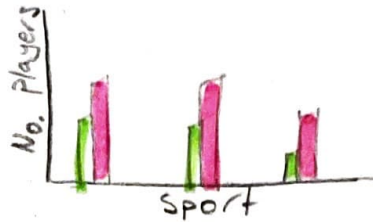
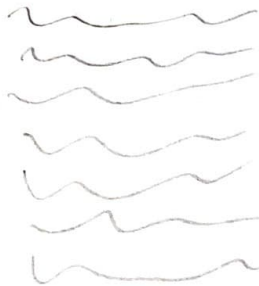
# Soccer In Victoria



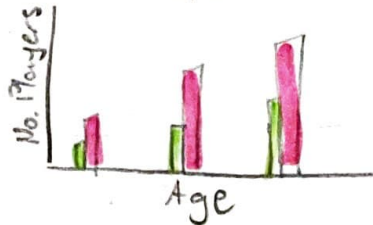
Over Time

- Male
- Female

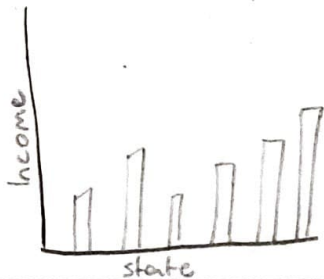
## Types of Soccer



- Male
- Female



Professional Players



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Sheet 2  
Victoria Focus

## OPERATIONS

Select Sex:  
- Male  
- Female

Tooltips:

Year  
state  
sex  
Players.

Sport/Age  
sex  
Players

state  
Income

## FOCUS

Players over time

- Victoria in red/pink
- Other states grey
- Select sex to change plot

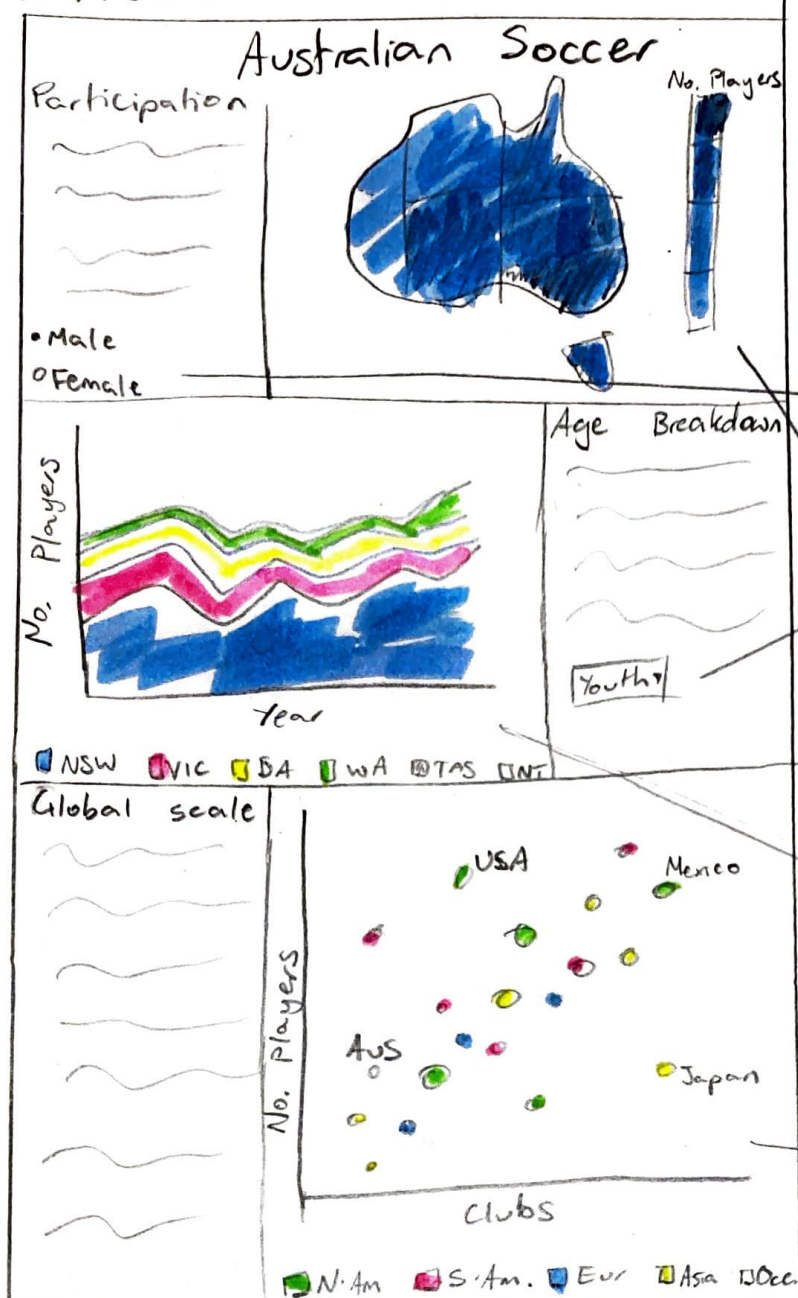
- Male
- Female

## DISCUSSION

- No map idiom
- Two bar charts feel repeated
- Very text heavy so could add more visualisations
- Well balanced and symmetrical



# LAYOUT



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Sheet 3  
Australia Focus

## OPERATIONS

Select Sex

- Male
- Female

Select Age

- Miniroos
- Youth
- Seniors

Tooltips

state  
Sex  
Players

Year  
state  
Age  
Players

Country  
Continent  
Players  
clubs  
rel. Players

## FOCUS

Choropleth Map

- Use value to show number of players
- Select sex
  - Male
  - Female
- Bins for scale to improve readability

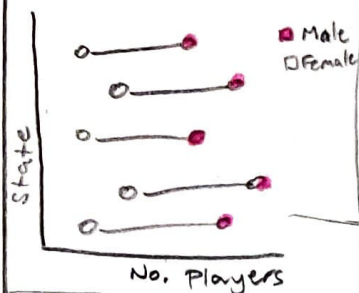
## DISCUSSION

- Good interactivity
- Add selection to bubble chart
- Minimal charts
- Use repeats to form grid
- No clear flow

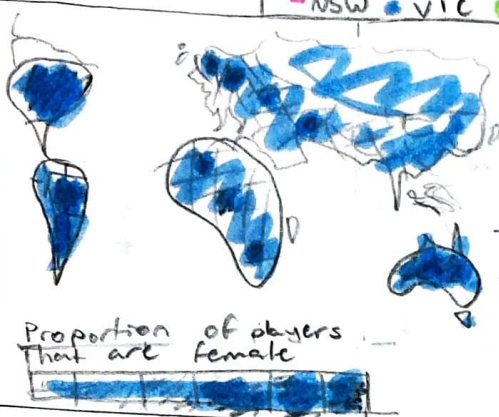
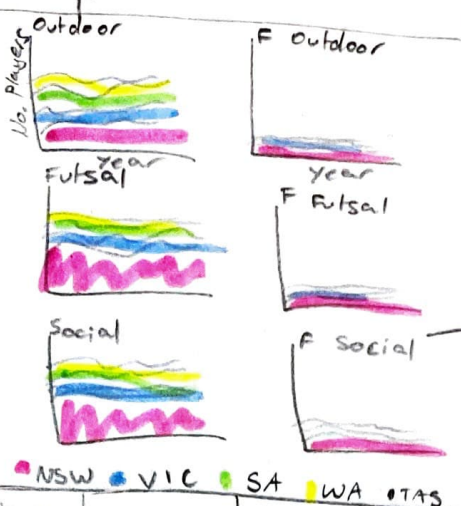
# LAYOUT

## Women In Soccer

### Gender Divide



### Sport Comparison



### Global Scale

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Sheet 4  
Women Focus

## OPERATIONS Tool tips

Sex  
State  
Players  
Difference

Sport  
State  
Year  
Players

Country  
Players  
% F players

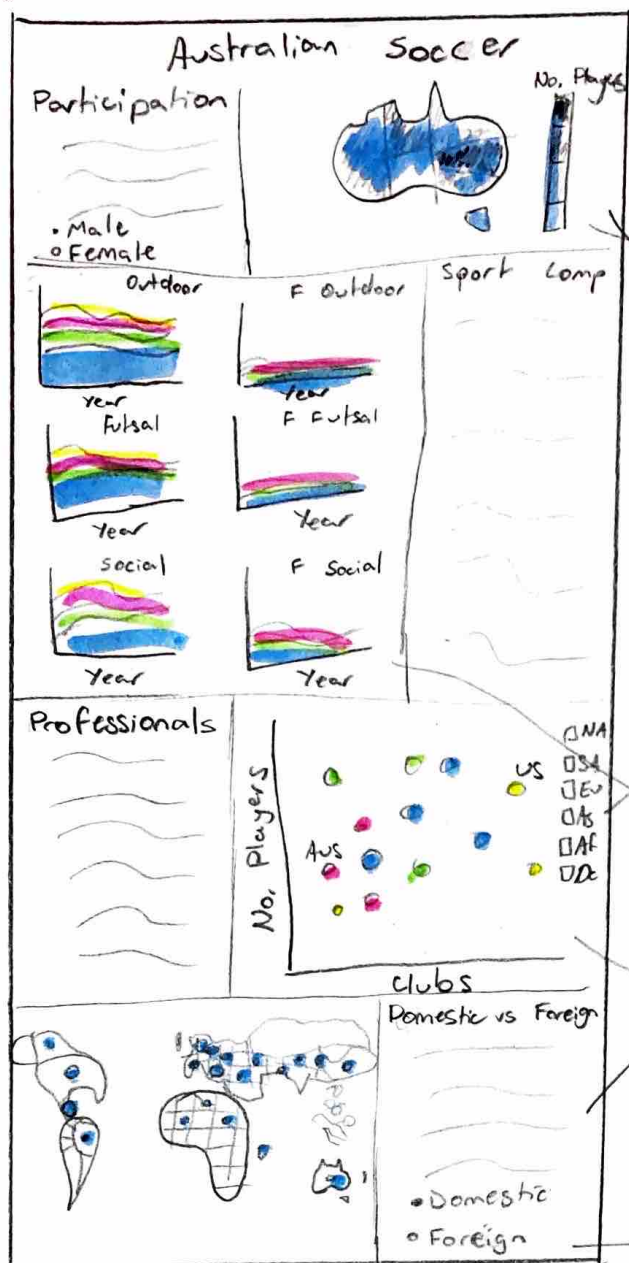
## FOCUS Grid

- Set male and female to same y axis
- Use hue to distinguish states

## DISCUSSION

- Good number of visualisations
- Lots of different visualisations
- Good flow
- Data not available for final map
- No interactivity

# LAYOUT



Harper Rackham

33143188

Sheet 5

Final Design  
Focus on both Australia  
and Women

## OPERATIONS

Select Sex

- Male
- Female

Select continent  
using legend

Select source

- Domestic
- Foreign

Tooltip

State  
Sex  
Players

Sport  
State  
Year  
Players

Country  
Continent  
Players  
Clubs  
Rel. Players

Source  
Country  
Players  
% Players

## FOCUS

Area chart grid

- Male and Female on same scale to compare
- Highlight differences
- Use hue for states
- Link state colours with mentions in text

## DETAIL

Dependencies

- Vega lite for graphs
- Java script for visualisation

Estimated time

- 1.5 weeks
- 1 week for idioms
- 3 days for data sourcing + research