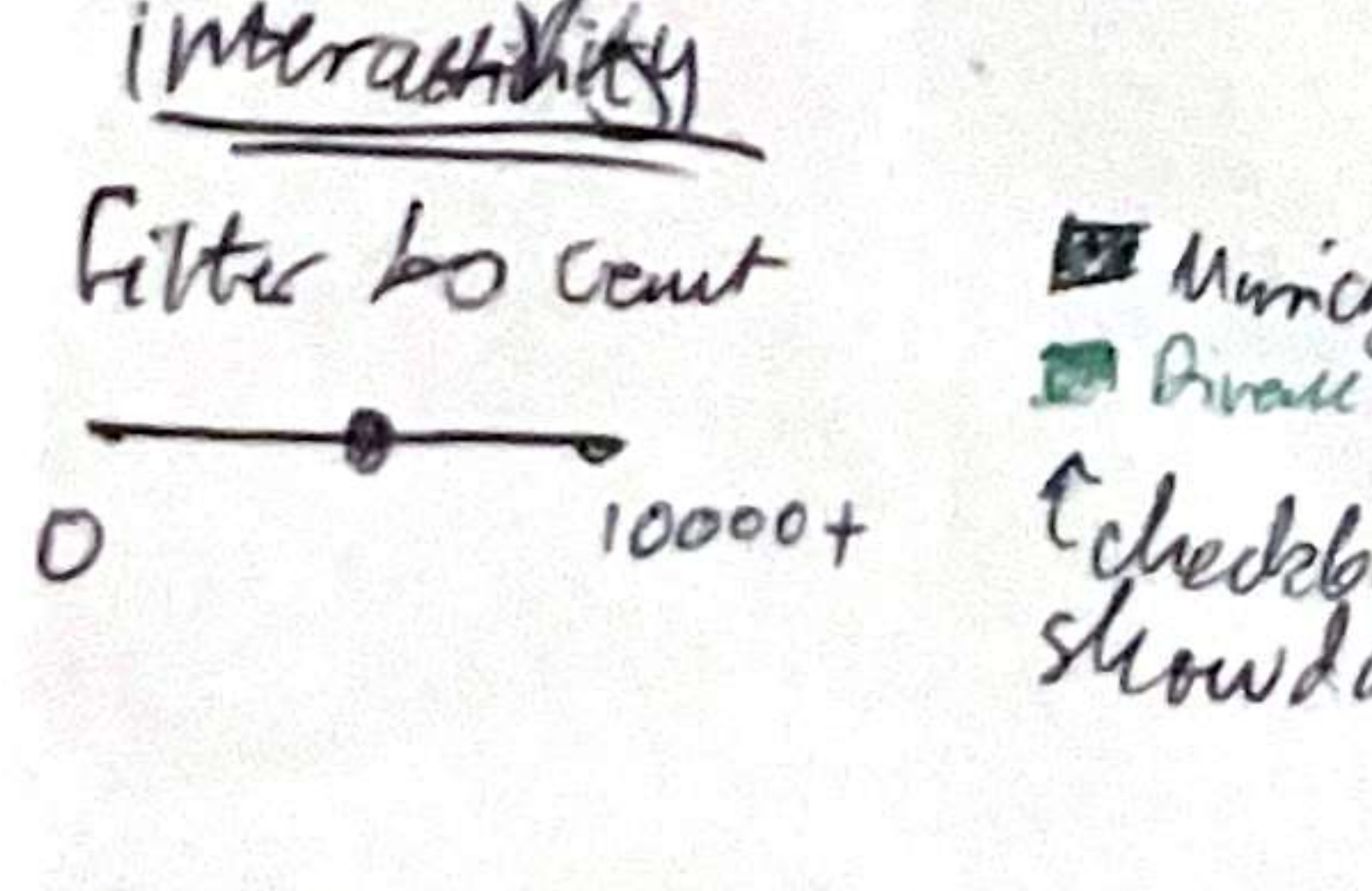
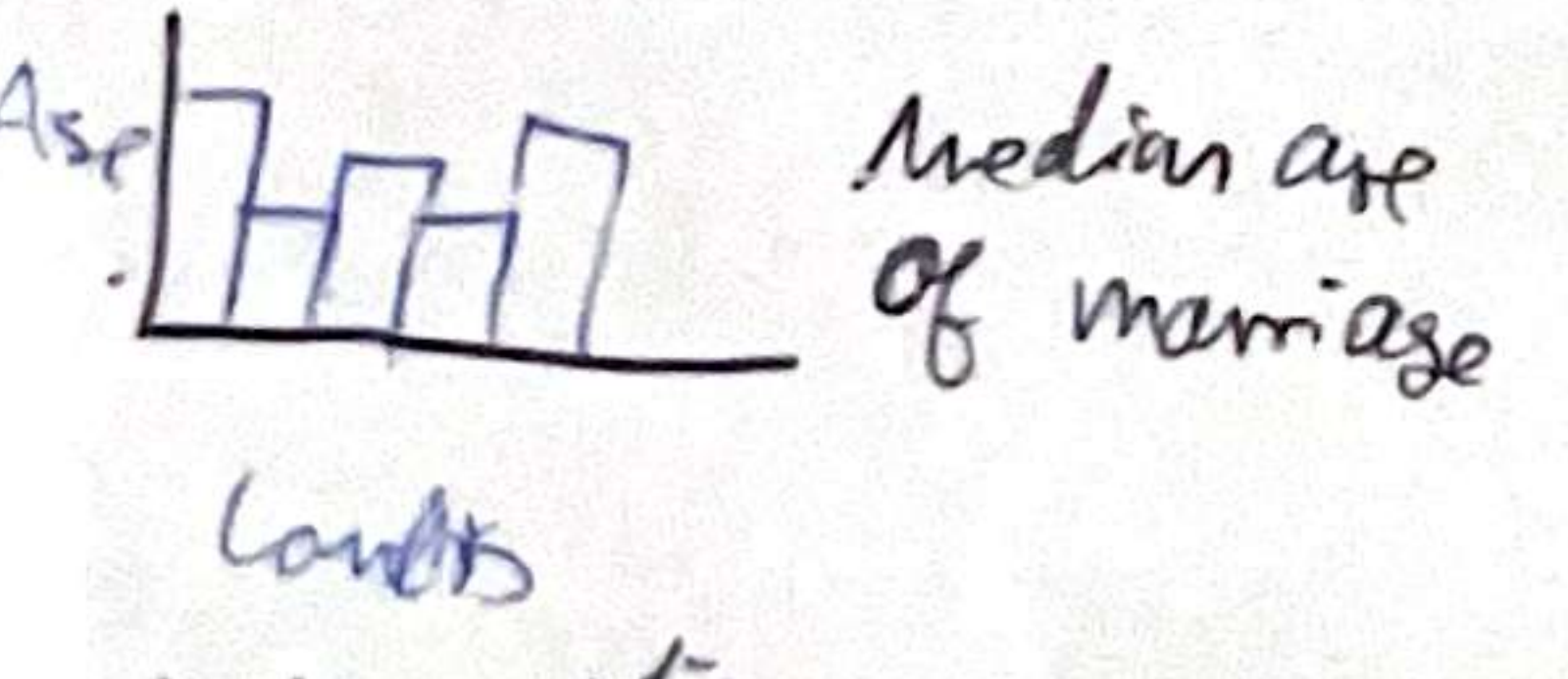
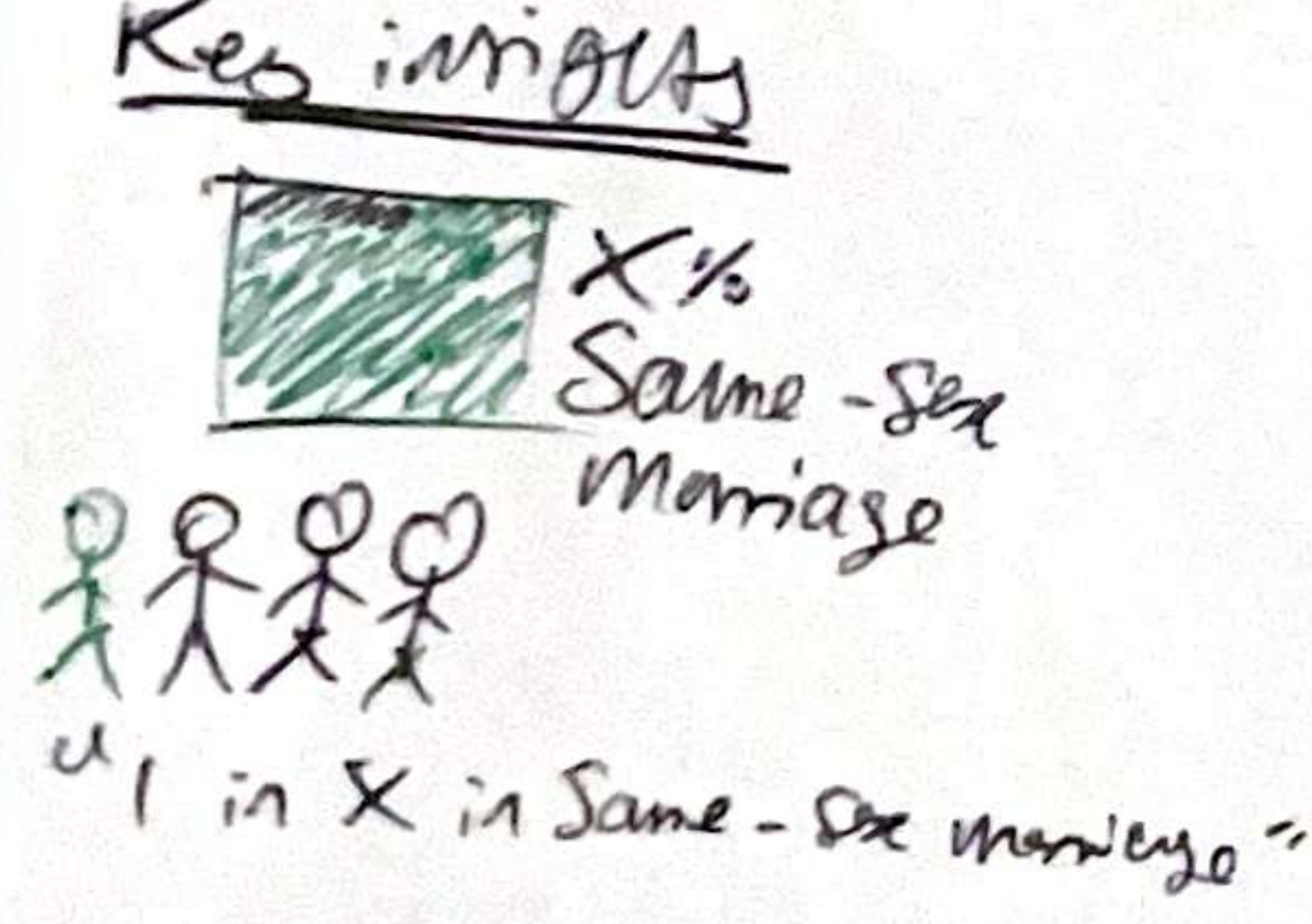
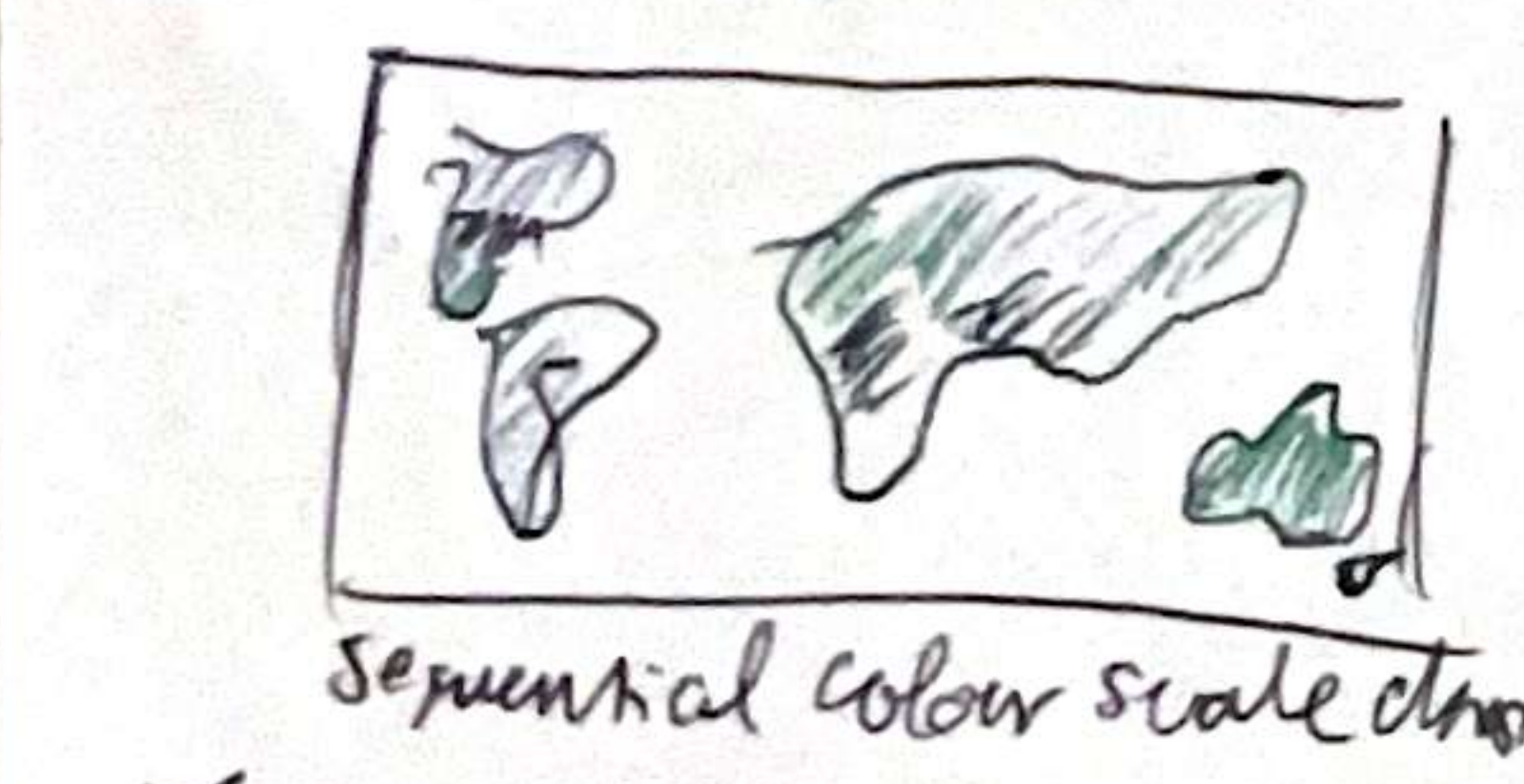
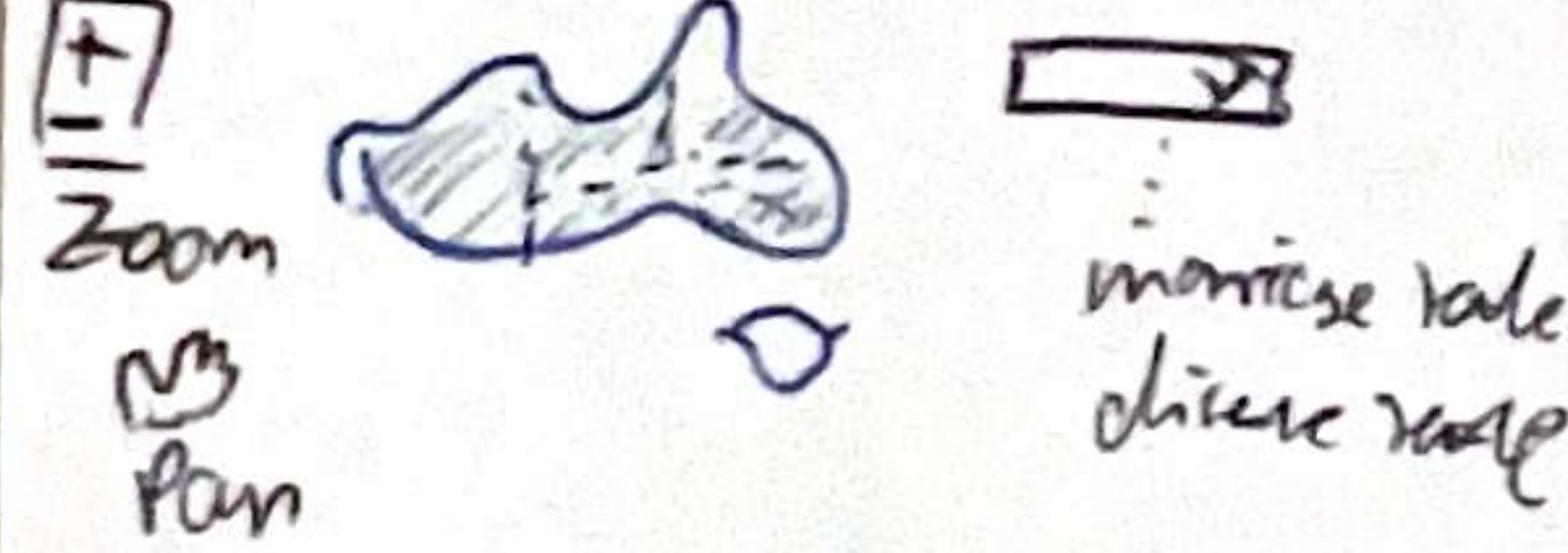
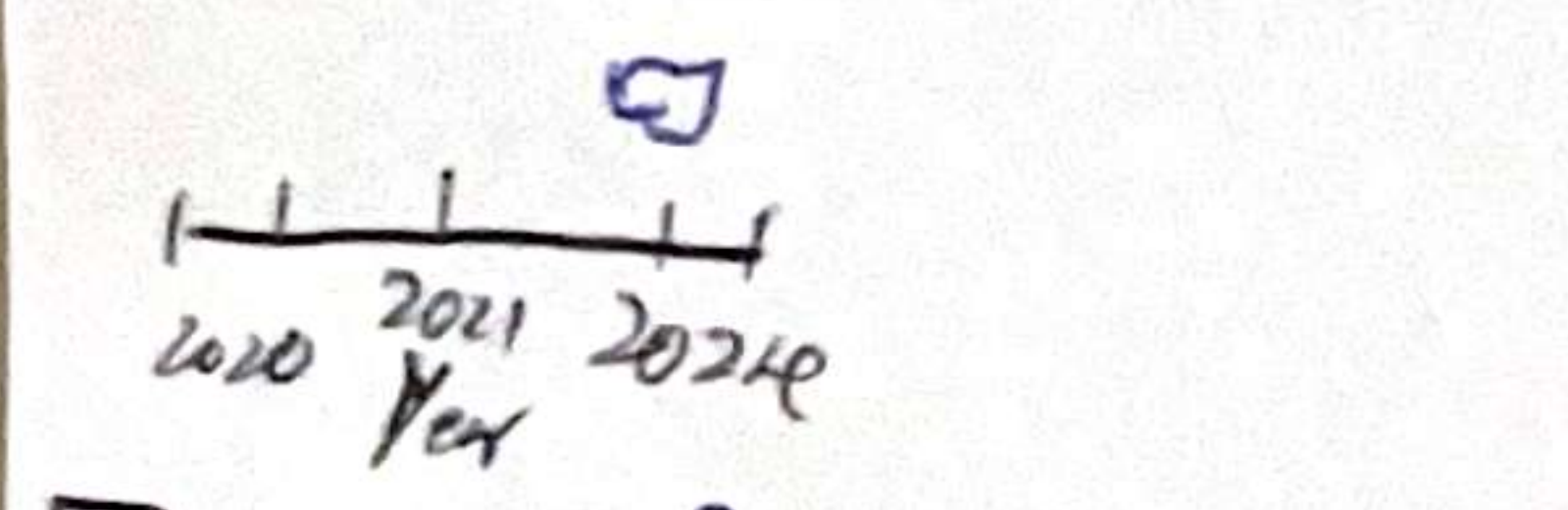
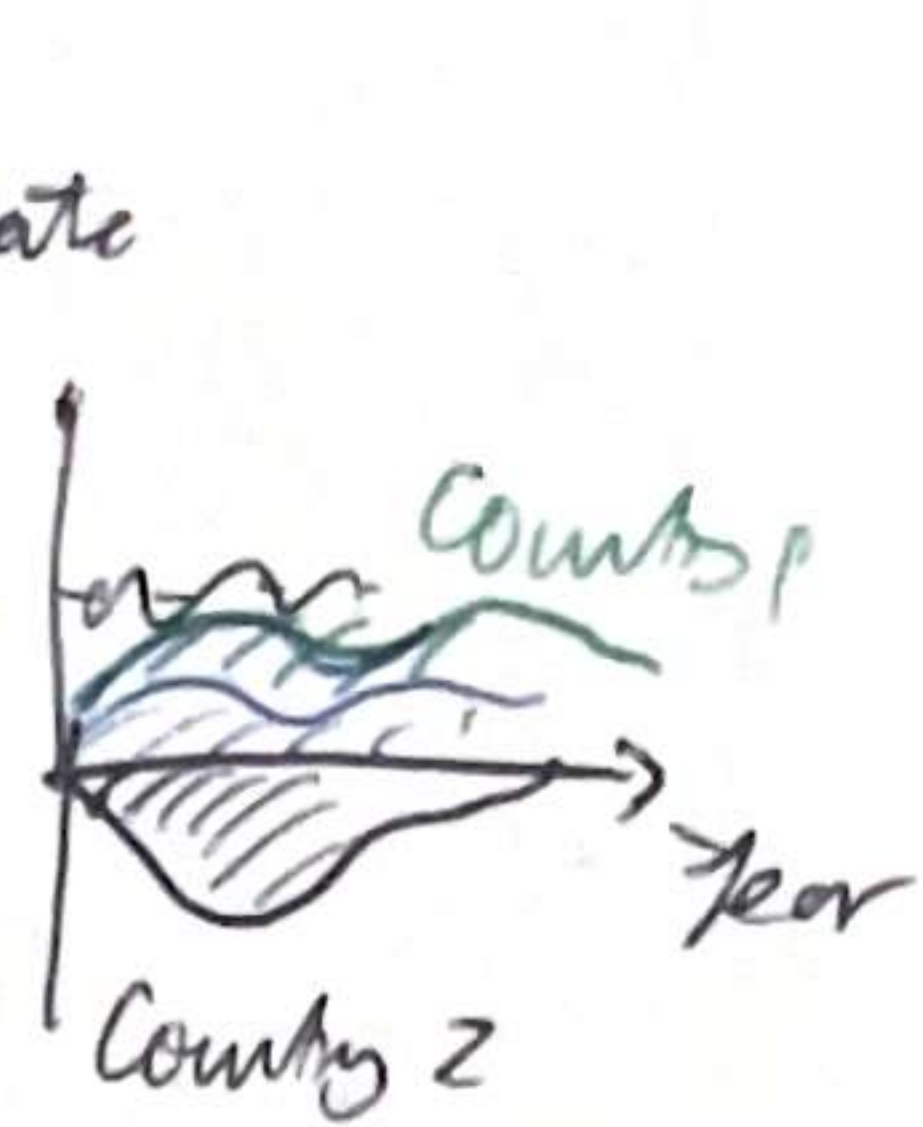
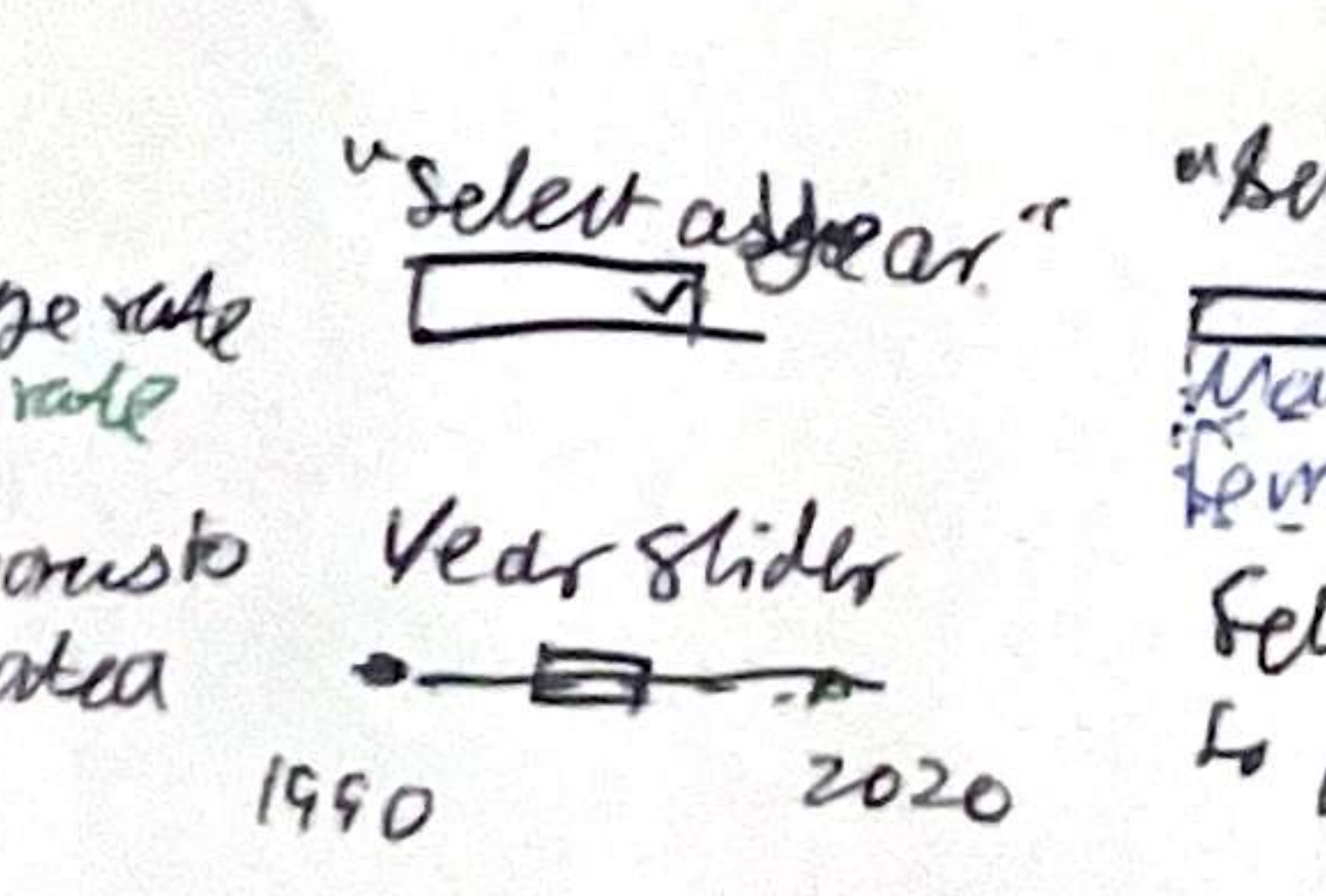
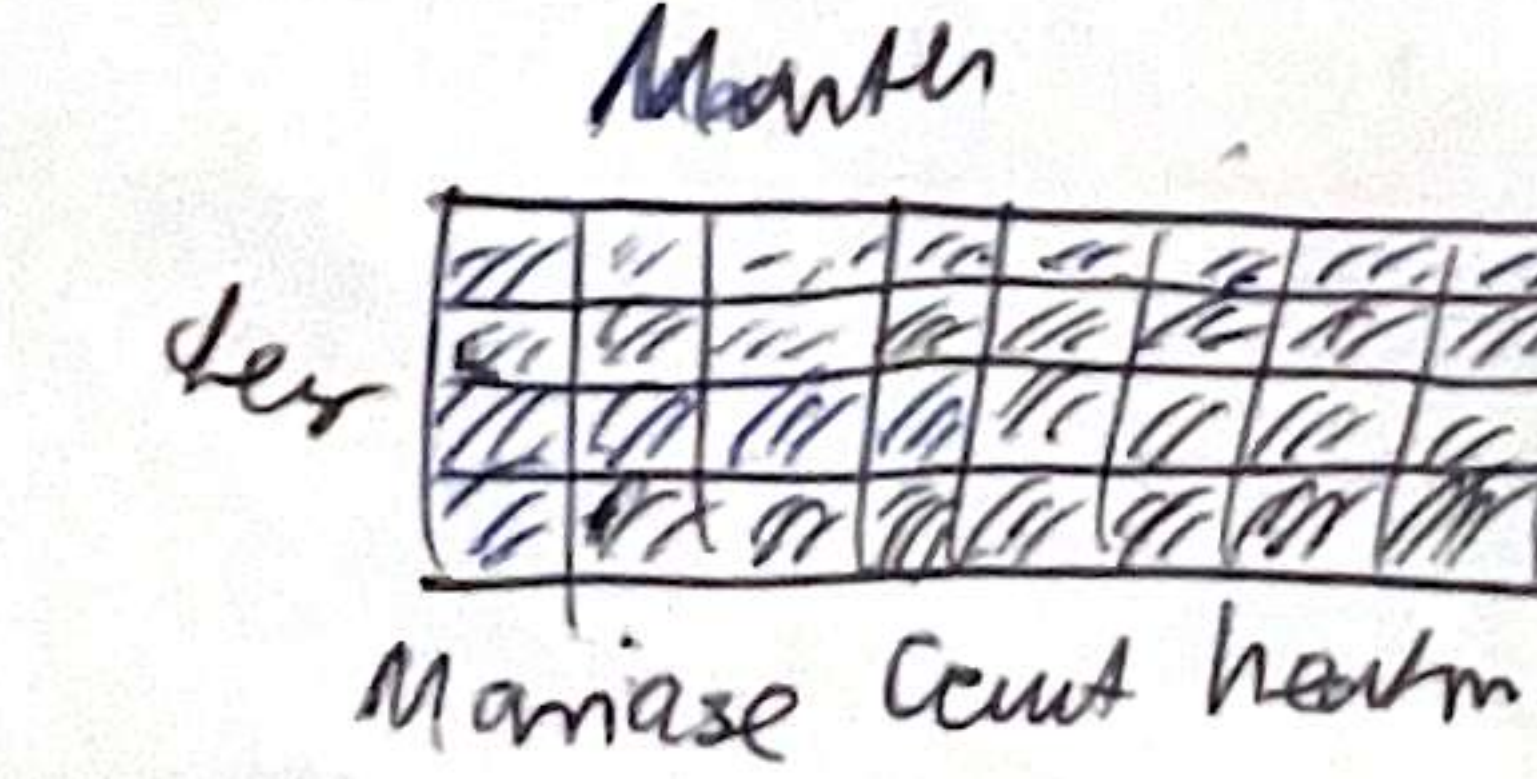
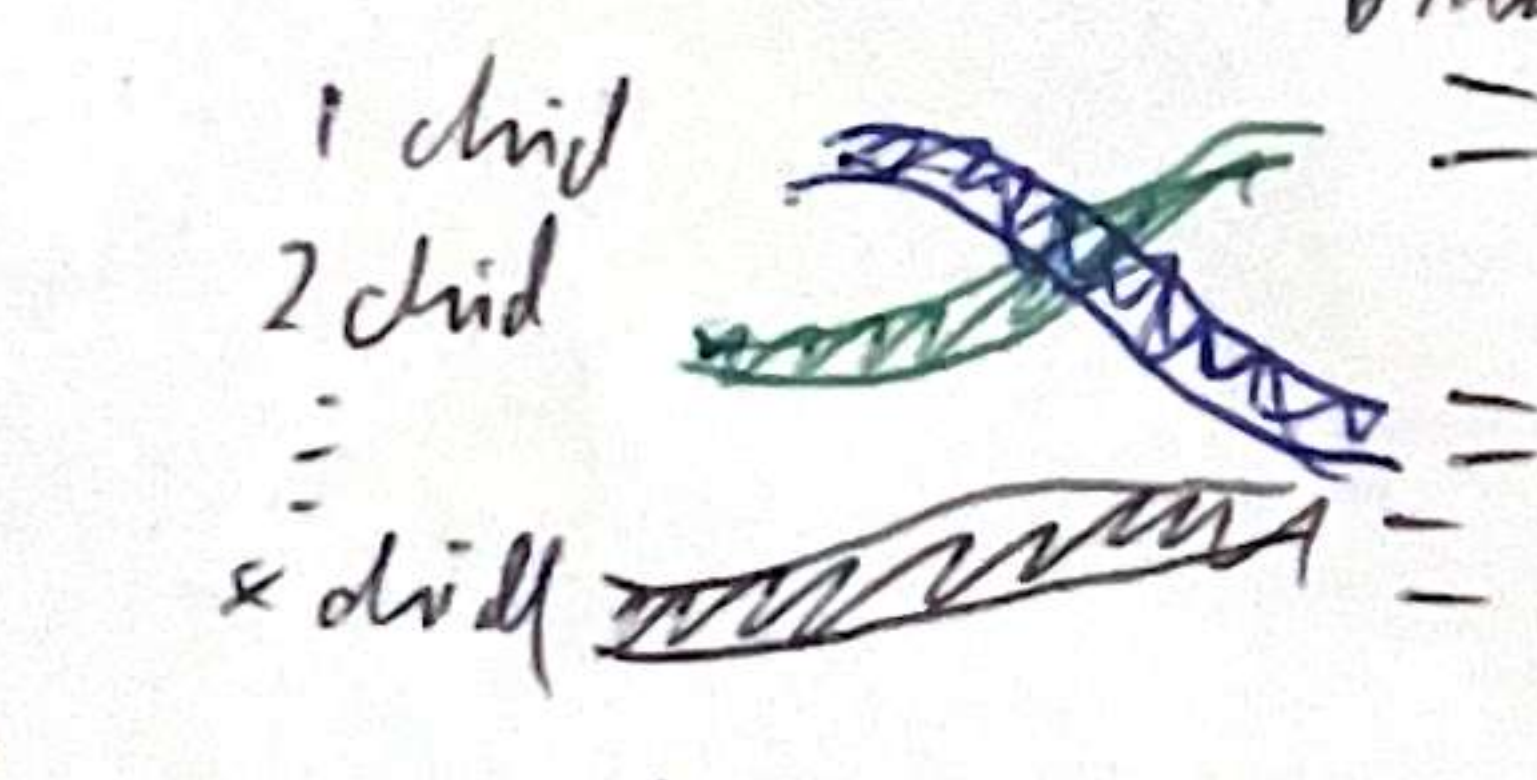
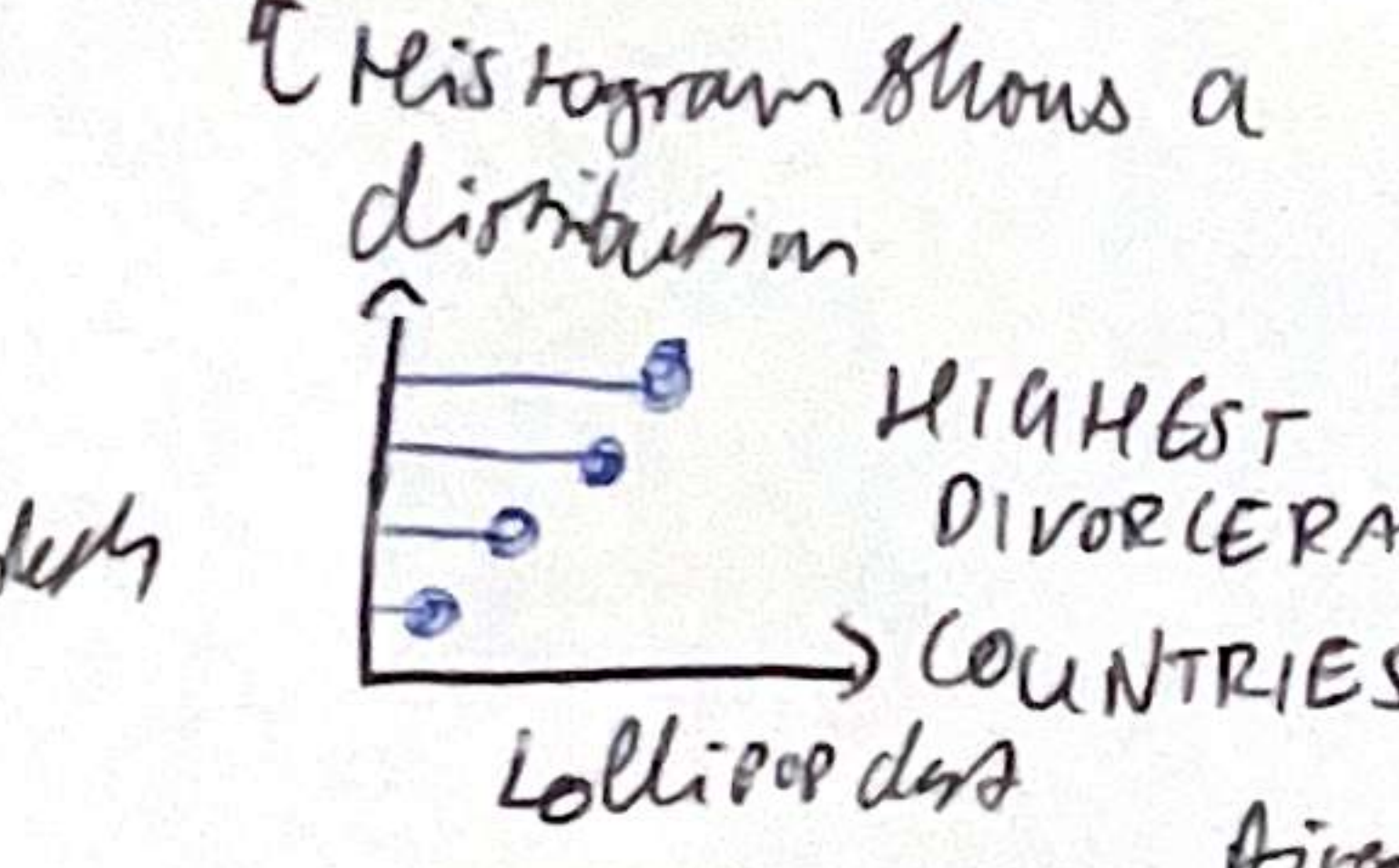
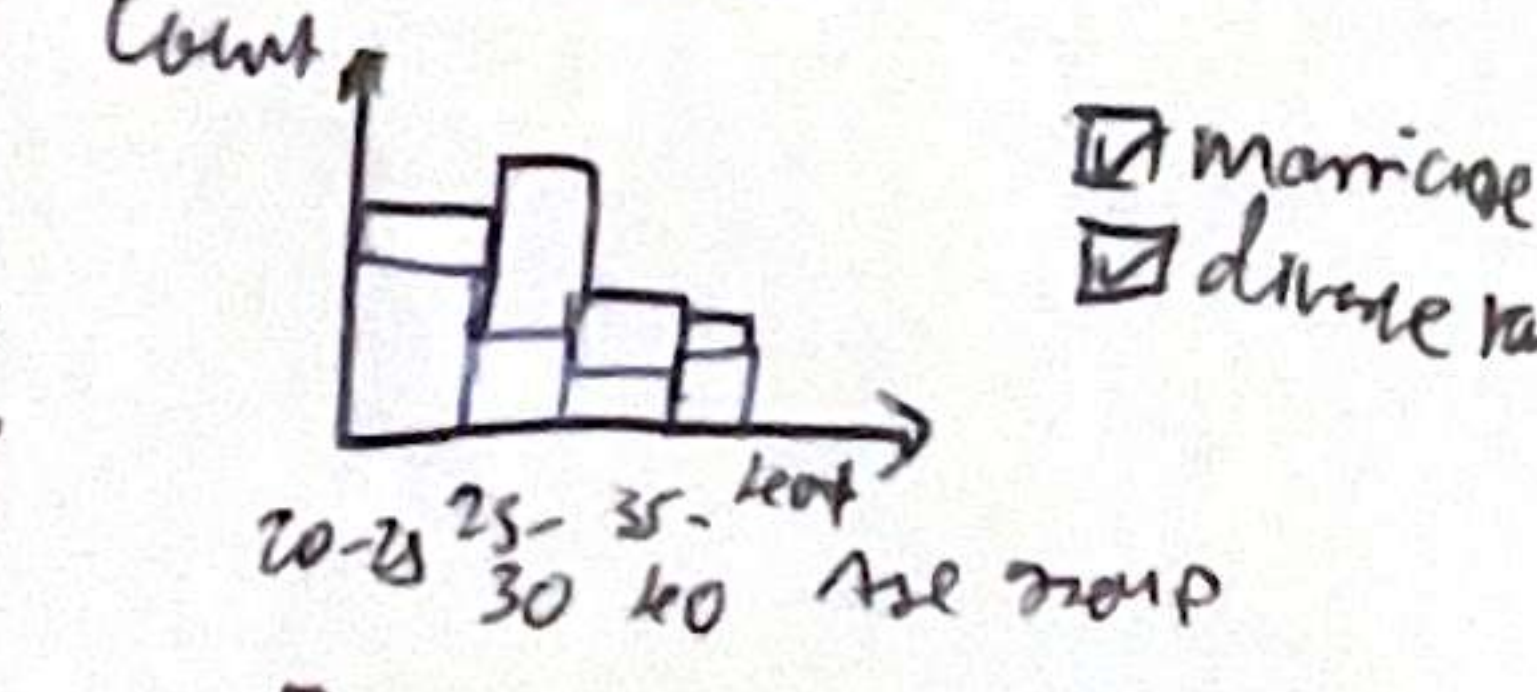
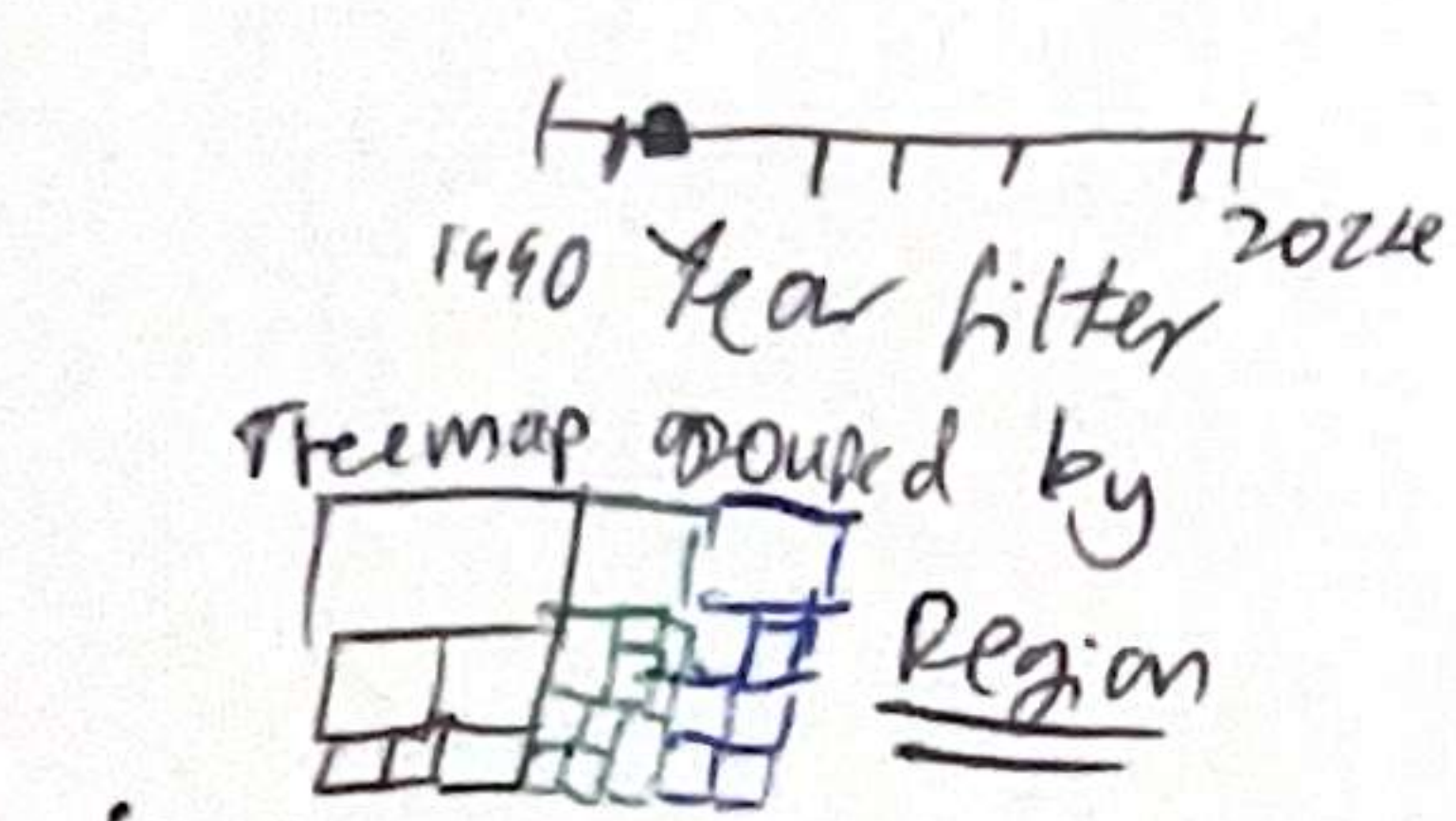
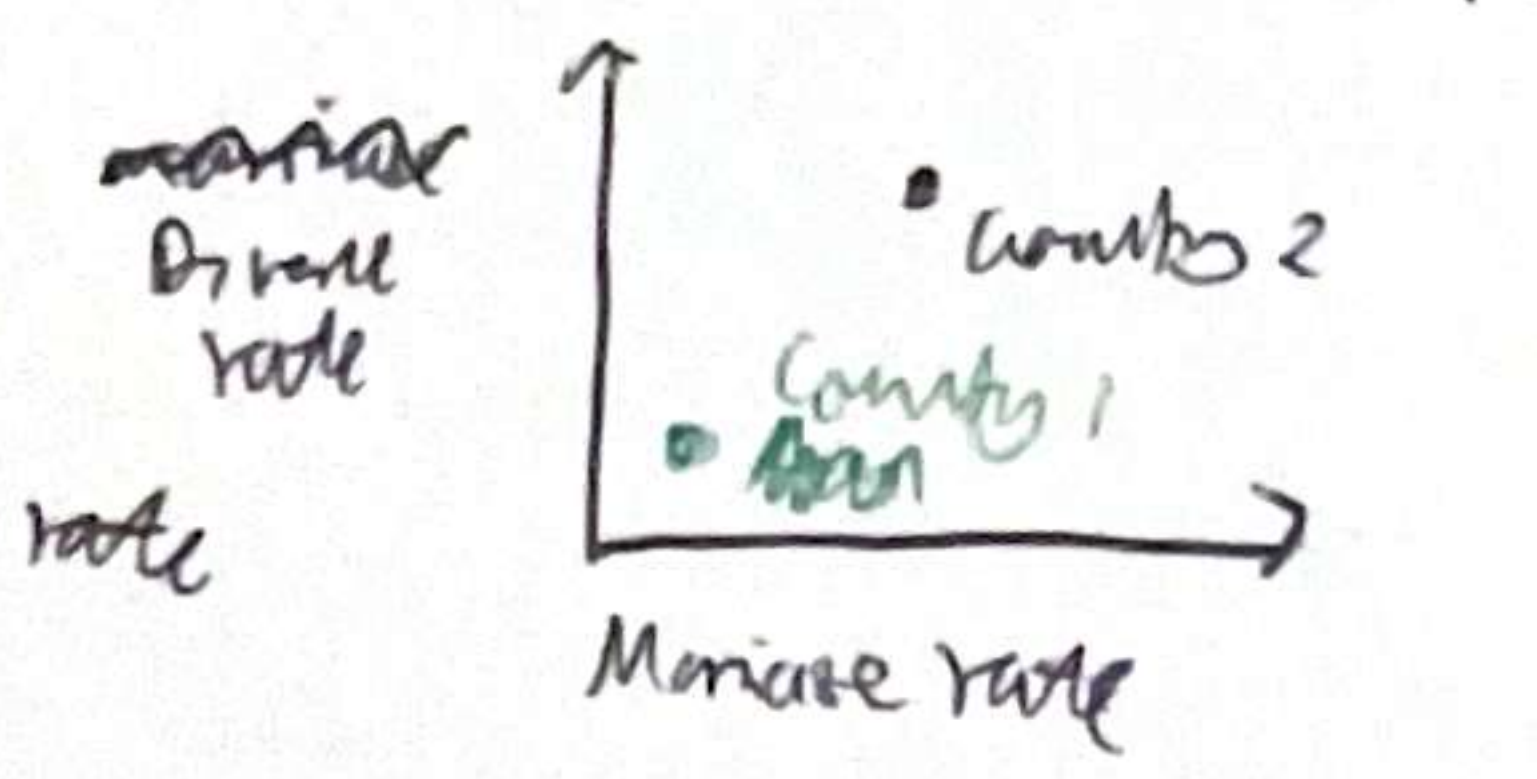


IDEAS

Qualitative attr:
- Men Gender, age, State
Country
Ordered attr
- Year, marriage rate, divorce rate



TRENDS



Stream graph of marriage rates

FILTER

Sankey is overly complicated for dozens of data sets

Use Animation throughout over World choropleth or proportional symbol map

Australia data is richer, so can implement more filters in a choropleth

Lollipop chart is much better than heatmap for quickly showing insights => lollipop is easier to read.

Isotype chart seems better than waffle chart, as it relates better to people

INTERACTIVITY

Slider is better for ordered attributes, and a cleaner more intuitive presentation too

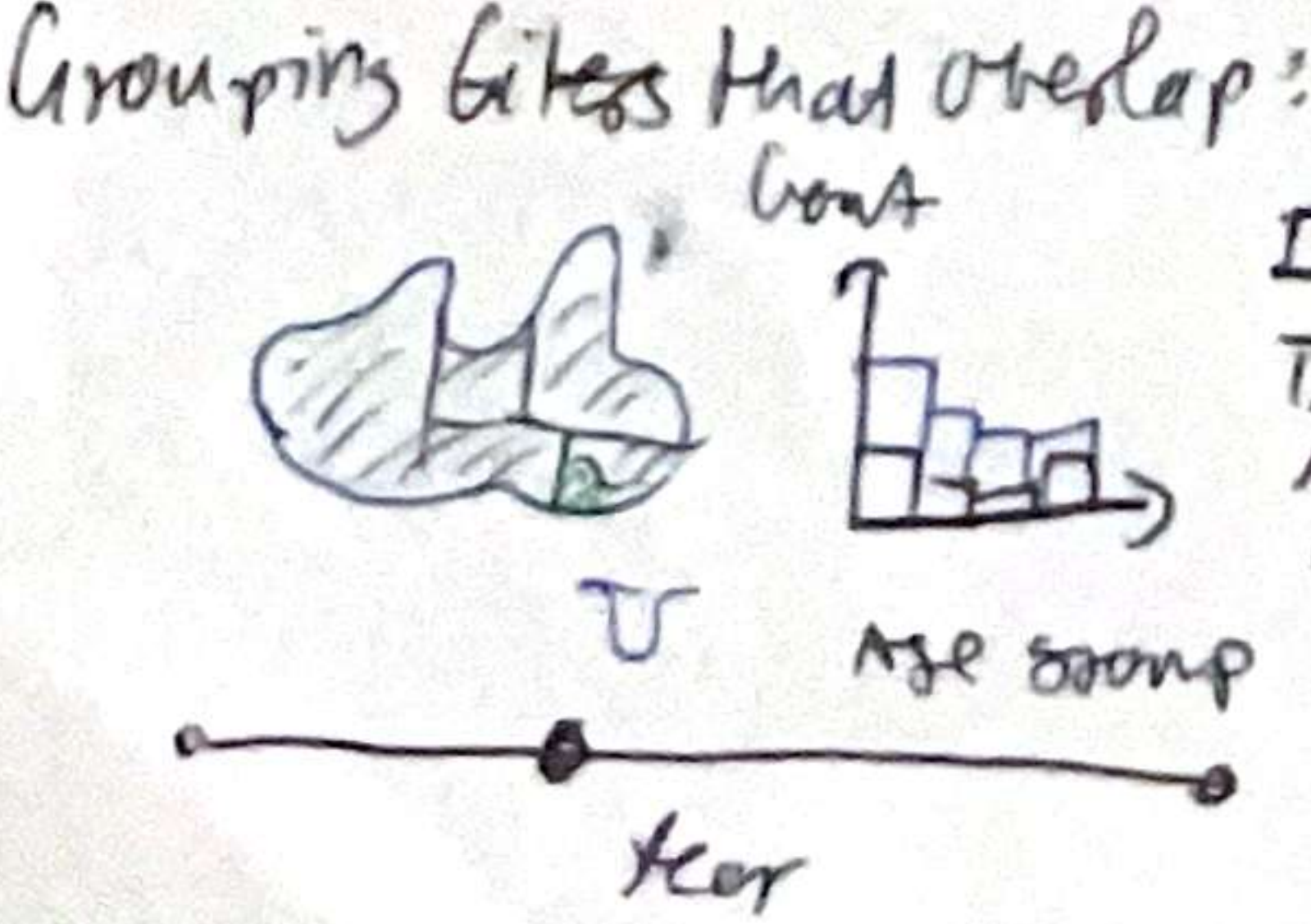
CATEGORISE

The Map: This is central piece of visualisation as it is VISUALLY STRIKING

The Quick insights: Isotype, lollipop, median age bar quickly show important statistics

A temporal overview: The more detailed data -> Time Aterable histogram, Streamgraph, heatmap, Scatter plot

COMBINE AND REFINES



Combine high-level insights (median age of marriage and divorce rate)

Group heatmap and map as both are good for deriving insights

QUESTIONS

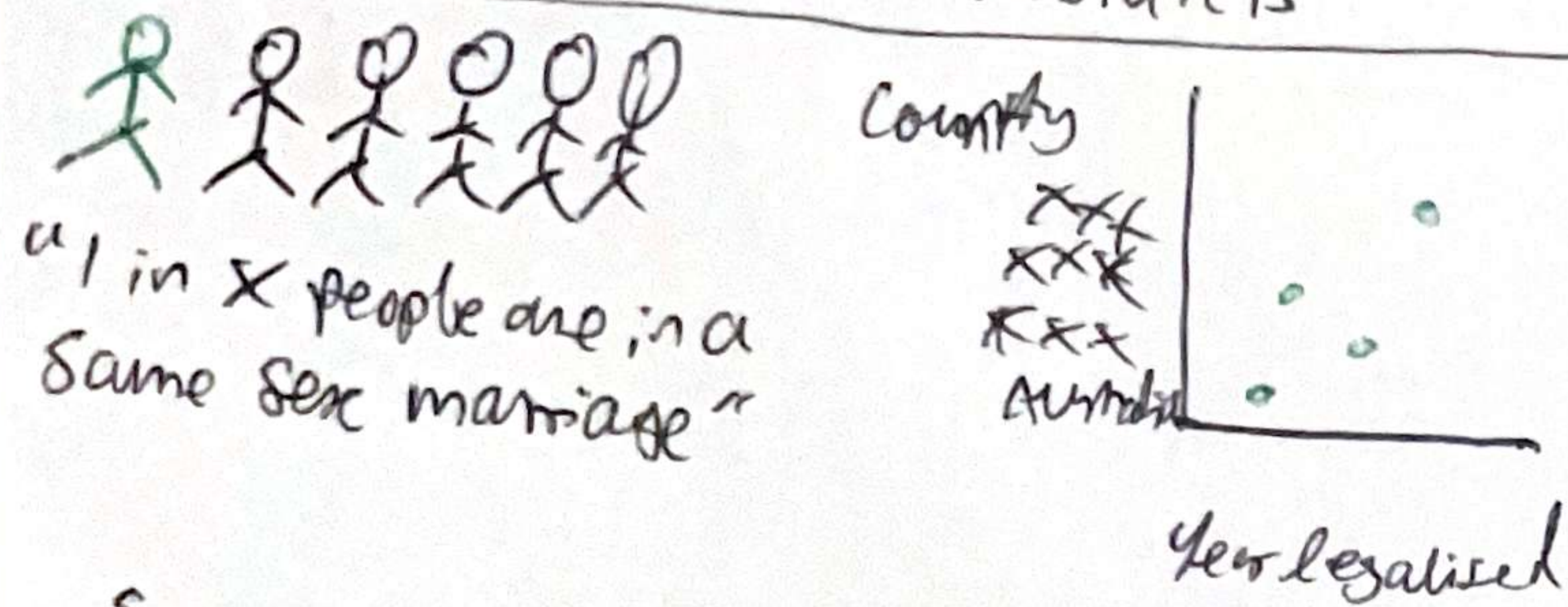
- Does the visualisation provide an Overview of figures without bias
- Is it a high-level overview for general audience and legislators?
- Designed to be simple and neat, or interactive and visually striking?
- Does it capture all aspects of the data?

LAYOUT

AUSTRALIA: MARRIAGES & DIVORCE

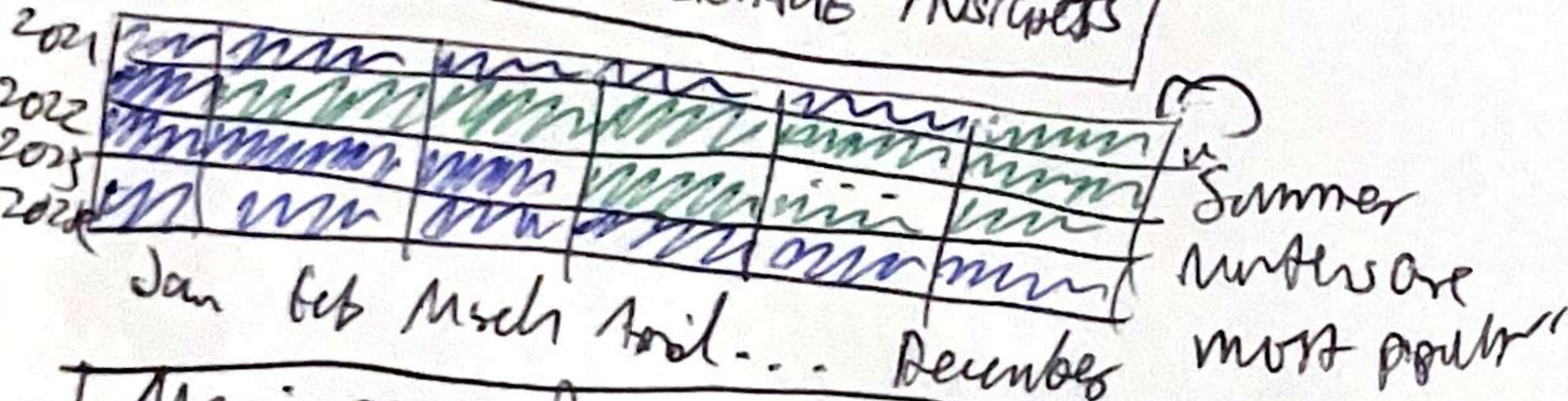
A story of Australian matrimony, and how we are against the world. Scroll down to see more!

HERE ARE THE KEY INSIGHTS

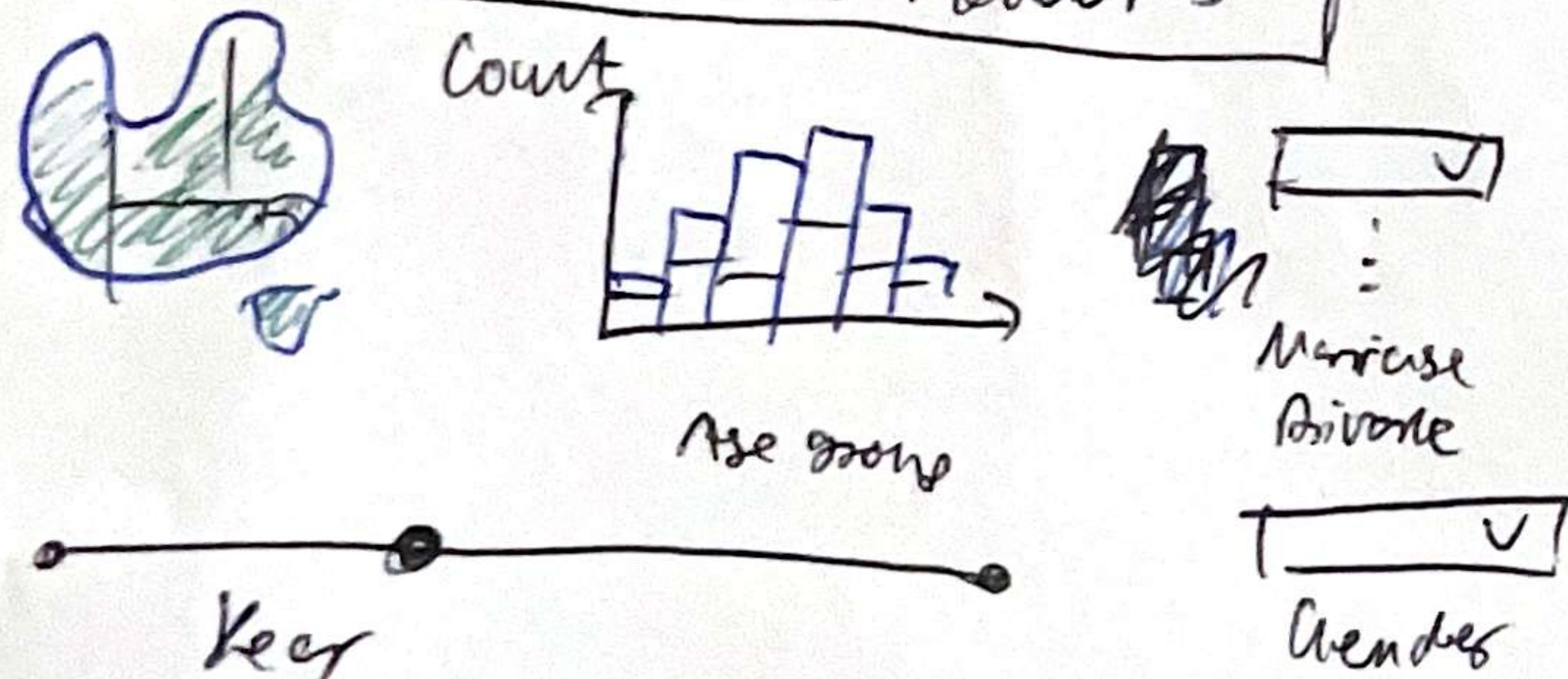


Same-sex marriage was legalised in Year "X" this ranks "X" out of countries

AUSTRALIAN MARRIAGE INSIGHTS

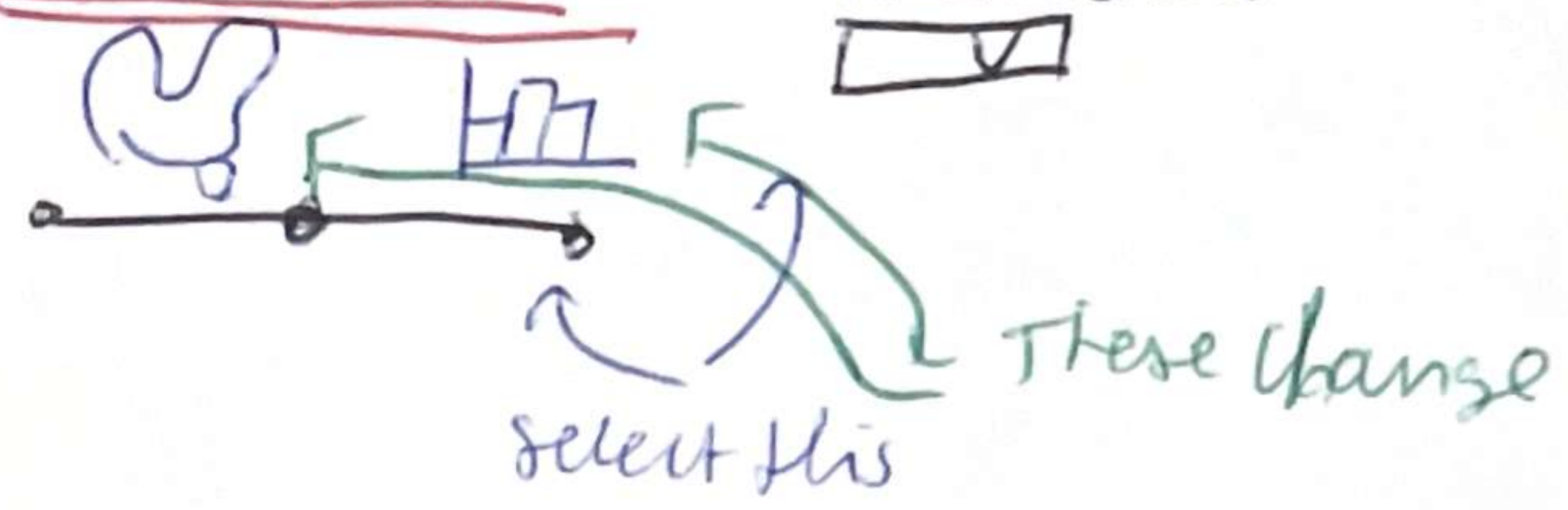


Marriage and Divorce Breakdowns



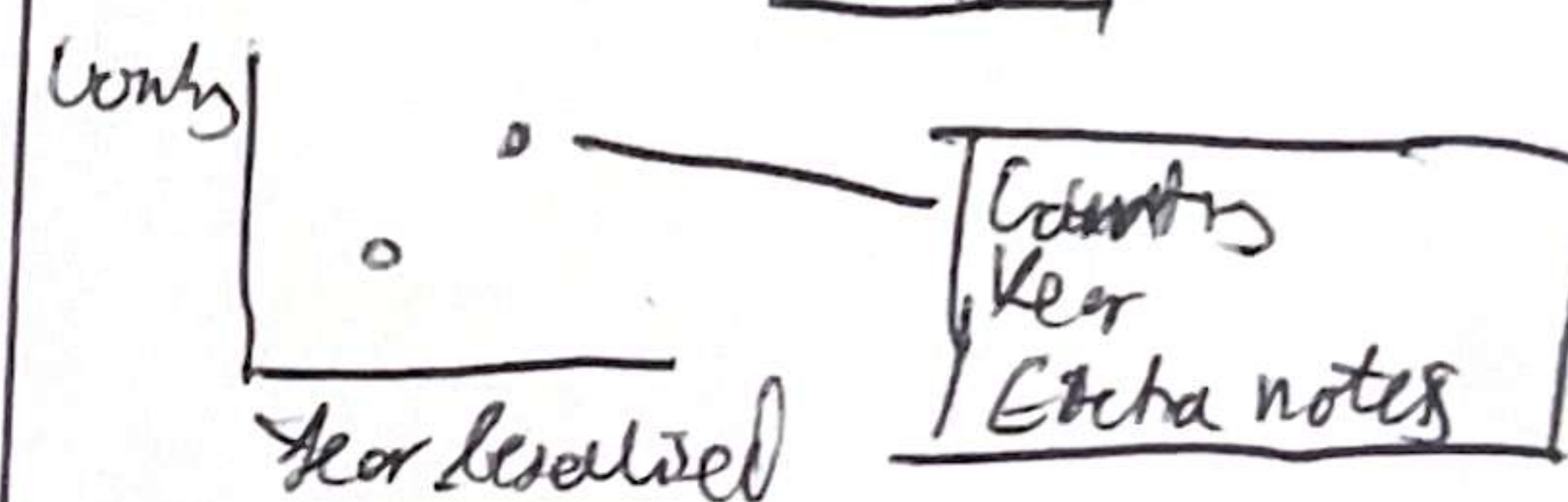
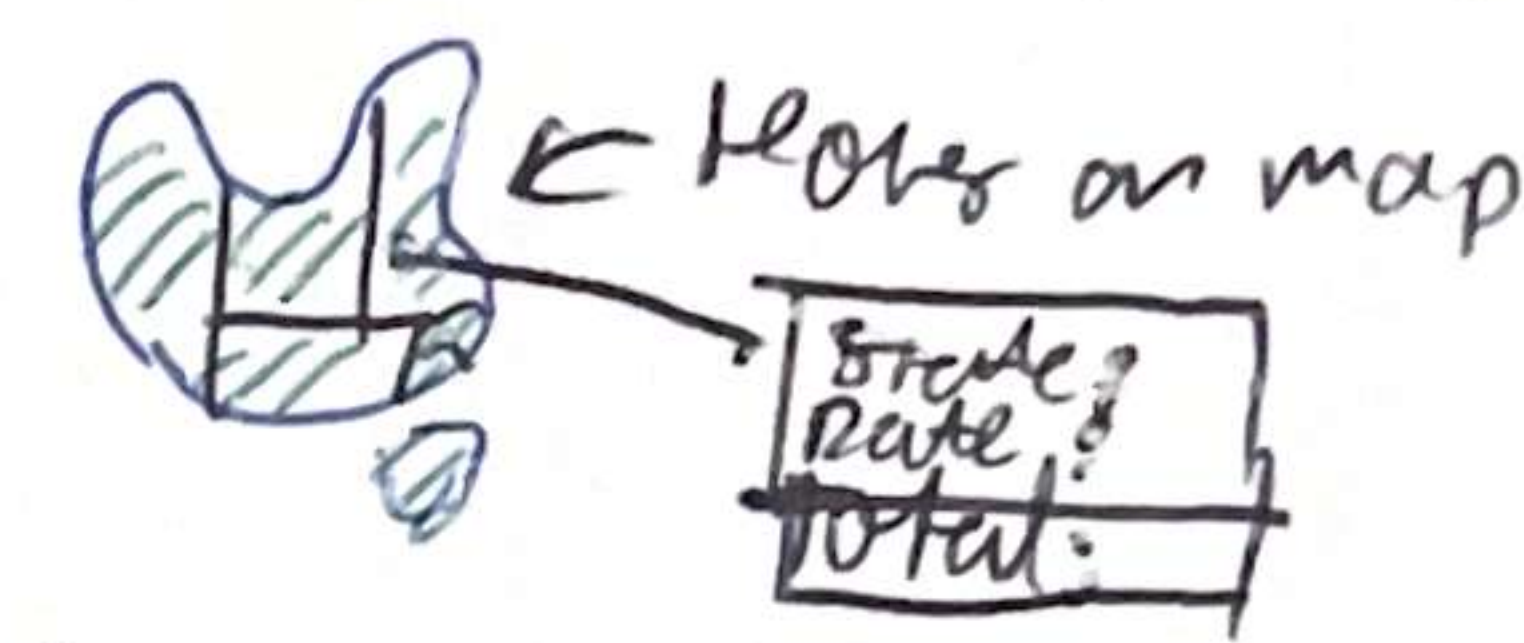
Title: Australia: Marriages and divorces
Author: Smaran Srikanth
Date: 10/08/2025
Sheet: 2
Task: DV 2 505

OPERATIONS

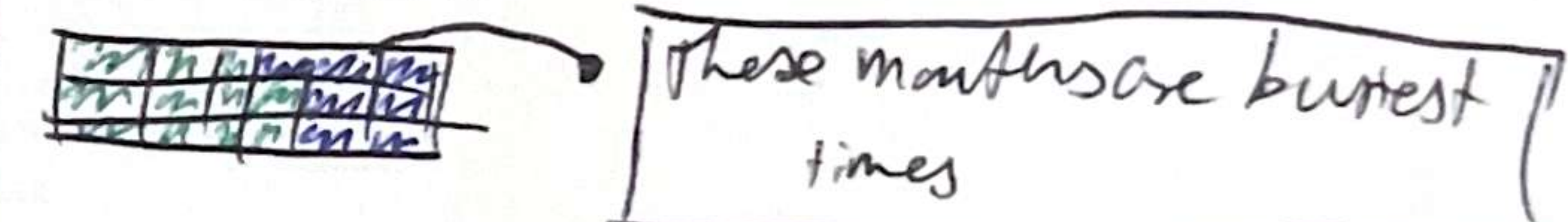


Tooltips:

→ tooltips on maps, histogram, dot plot



Annotations



"Scroll down to see more"
↑ acts as button, shifts down page automatically.

Focus

No chart is put in focus more than any other. This is a cohesive story where all parts matter. The story progresses as follows.

Key insights into same-sex marriage

Move to non-filterable marriage stats

Make to filterable marriage and divorce stats

Years of interest are 2010+
Colours: a minimalist colour palette is used
Purple and orange for marriage/divorce
Blue for same-sex marriage (if applicable)
All countries grey except Australia.

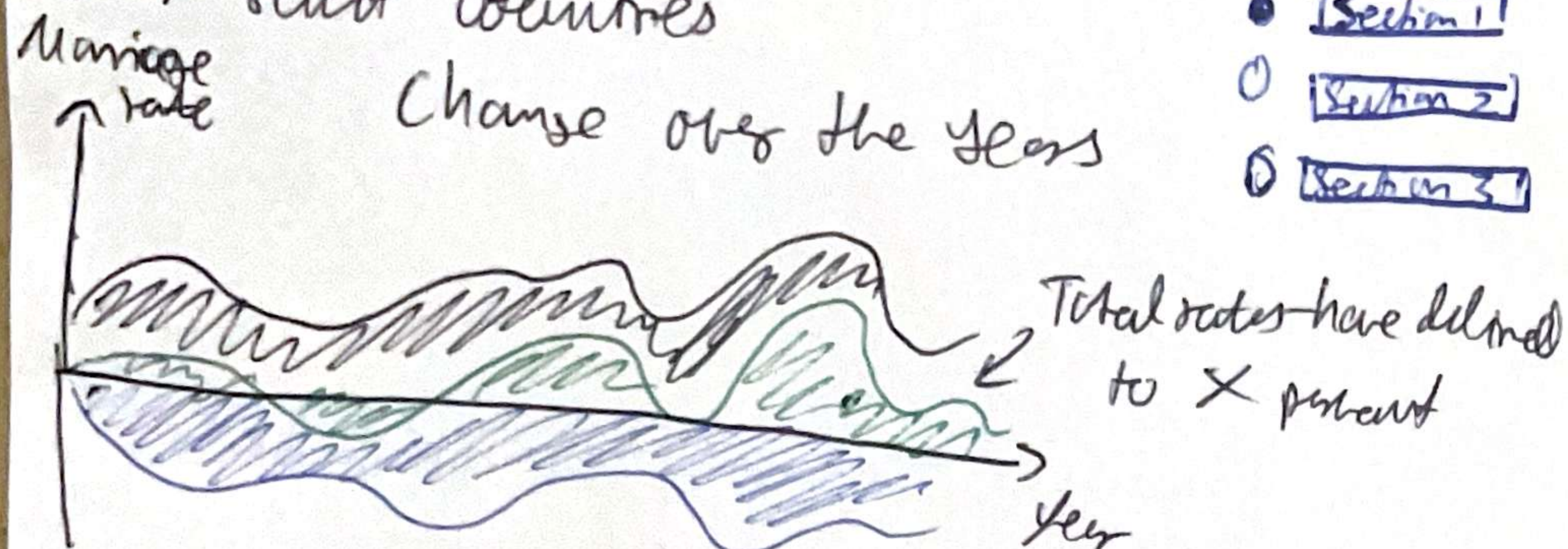
Discussion

- Positives**
- Layout is well categorised, showing relevant data grouped together
 - Minimalistic design focusing on key insights over more in-depth trends
 - Annotations and text sections guide viewers
- Negatives**
- No clear story progression, topics don't tie in naturally
 - Fairly simple idioms ~~loses~~ loses engagement
 - Doesn't showcase much interactivity
 - Perhaps explain some more insights and discuss why.

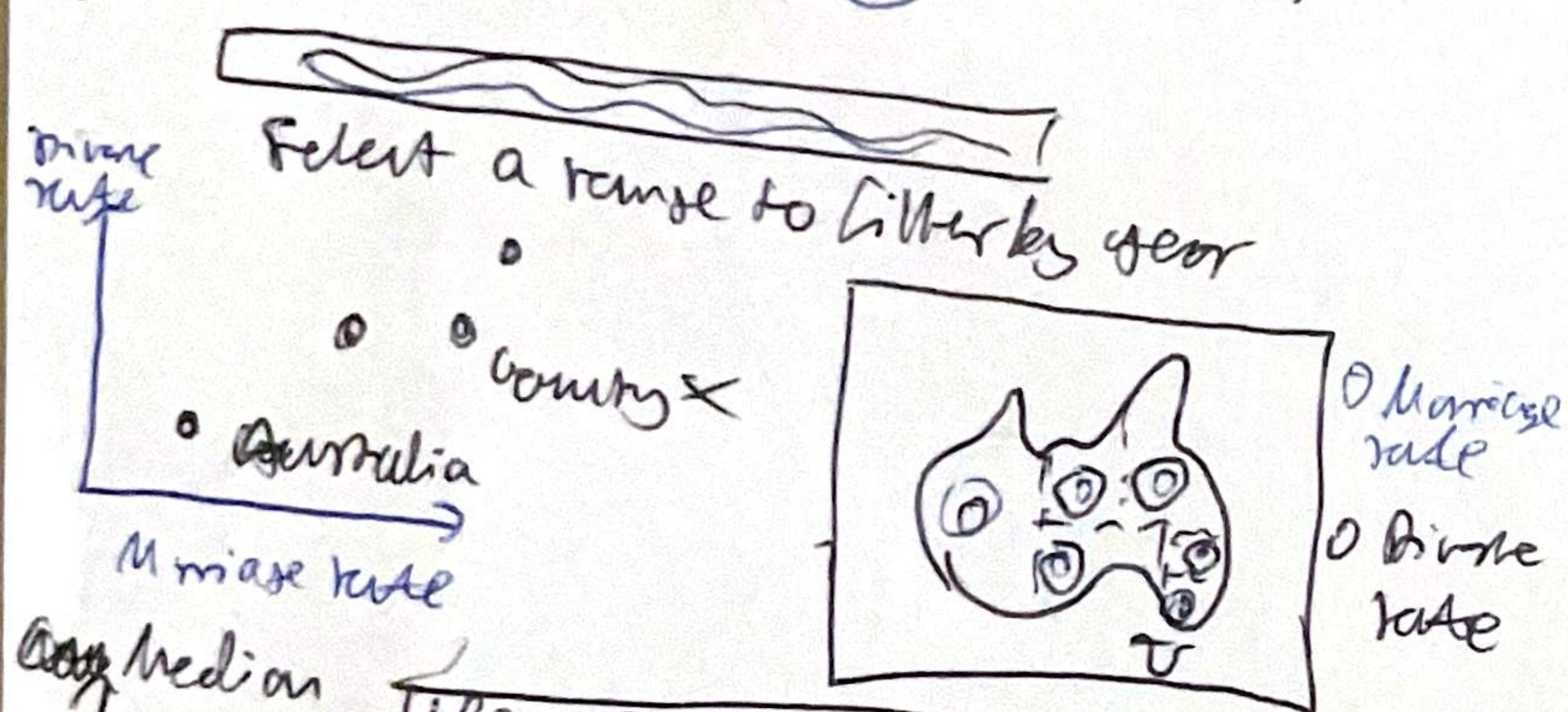
Layout

AN EVOLUTION OF MARRIAGE: AUSTRALIA AND THE WORLD

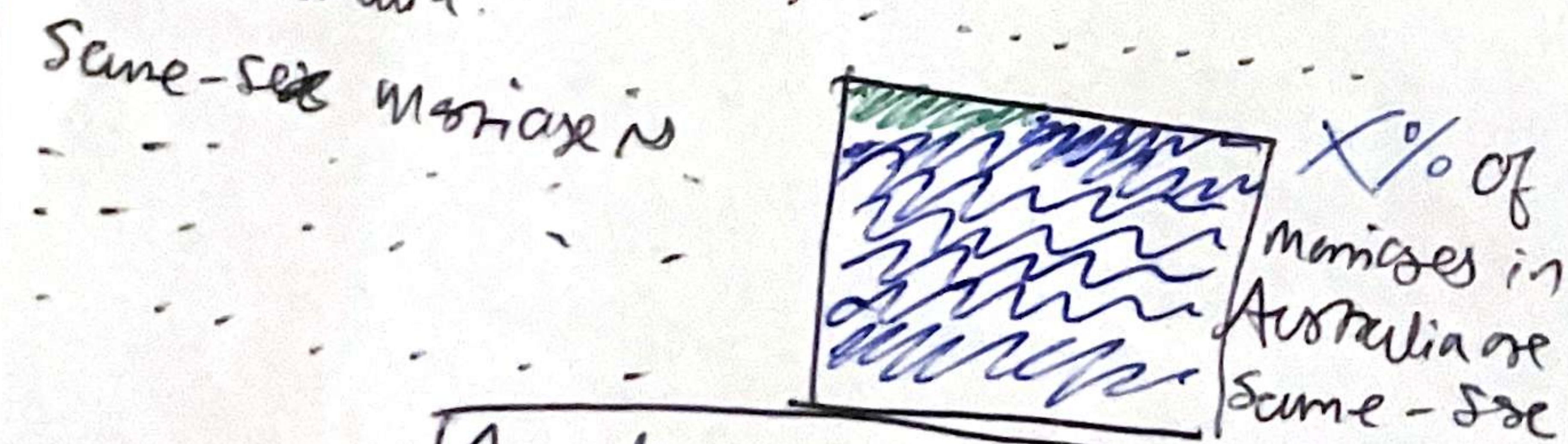
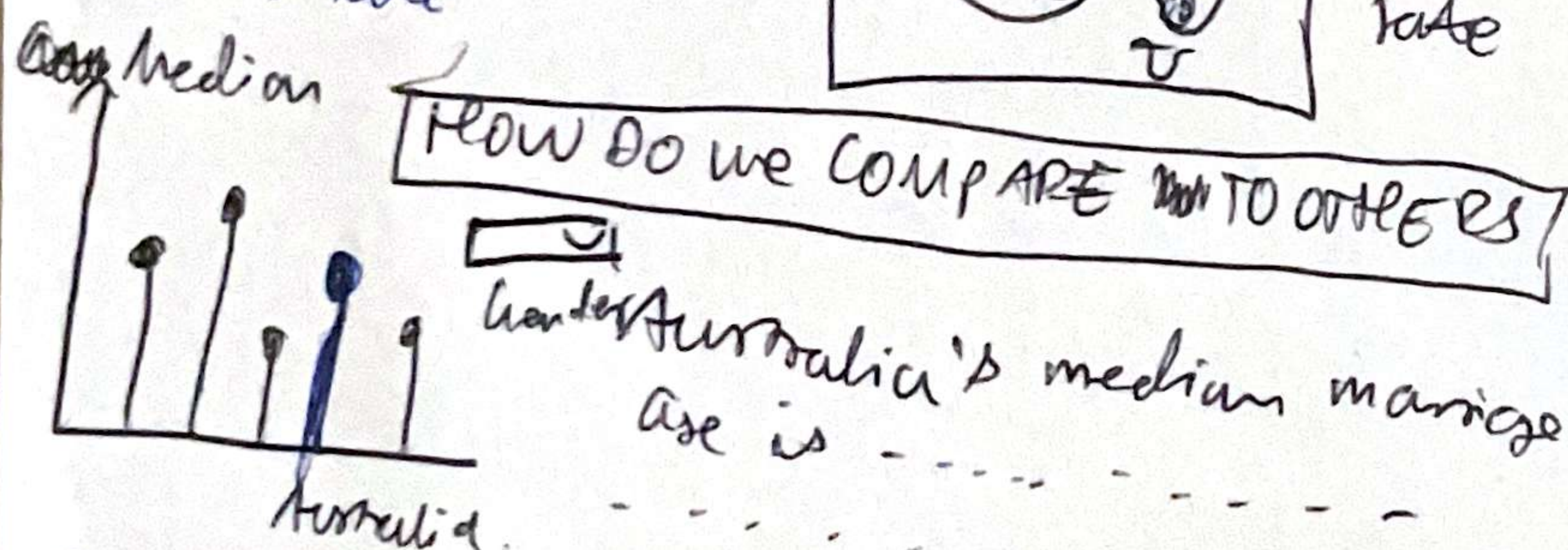
Here's how Australia has diverged from more traditional family units over the years, and how this compares with other select countries



- [Section 1](#)
- [Section 2](#)
- [Section 3](#)



How do we compare to others



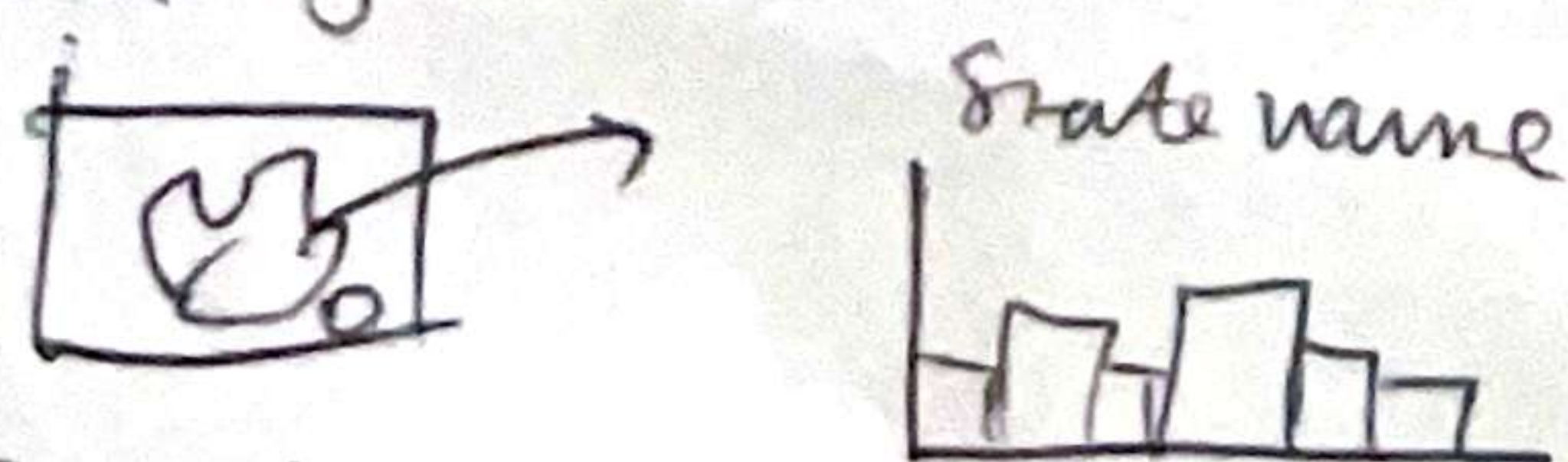
A reflection on the rates

[Return to top](#)

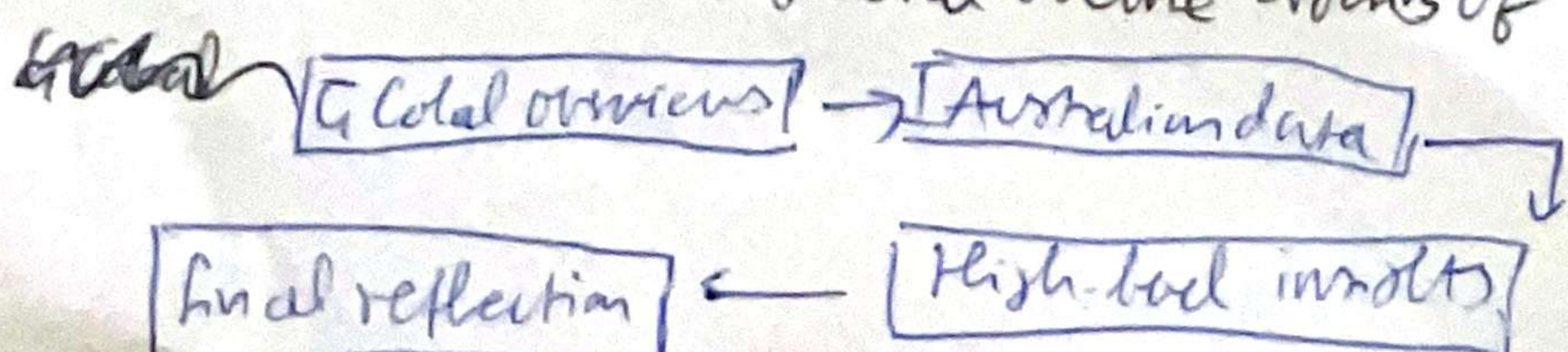
Focus

This visualisation puts emphasis on the map idiom, by centering and adding advanced interactivity to it.

→ Clicking on state reveals new chart showing breakdown by state



Then this follows a general theme order of



Title: An evolution of Marriage: Australia and the world

Author: Smaran Srikanth

Date: 10/08/2025

Topic: DV2 505

Sheet: 3

OPERATIONS

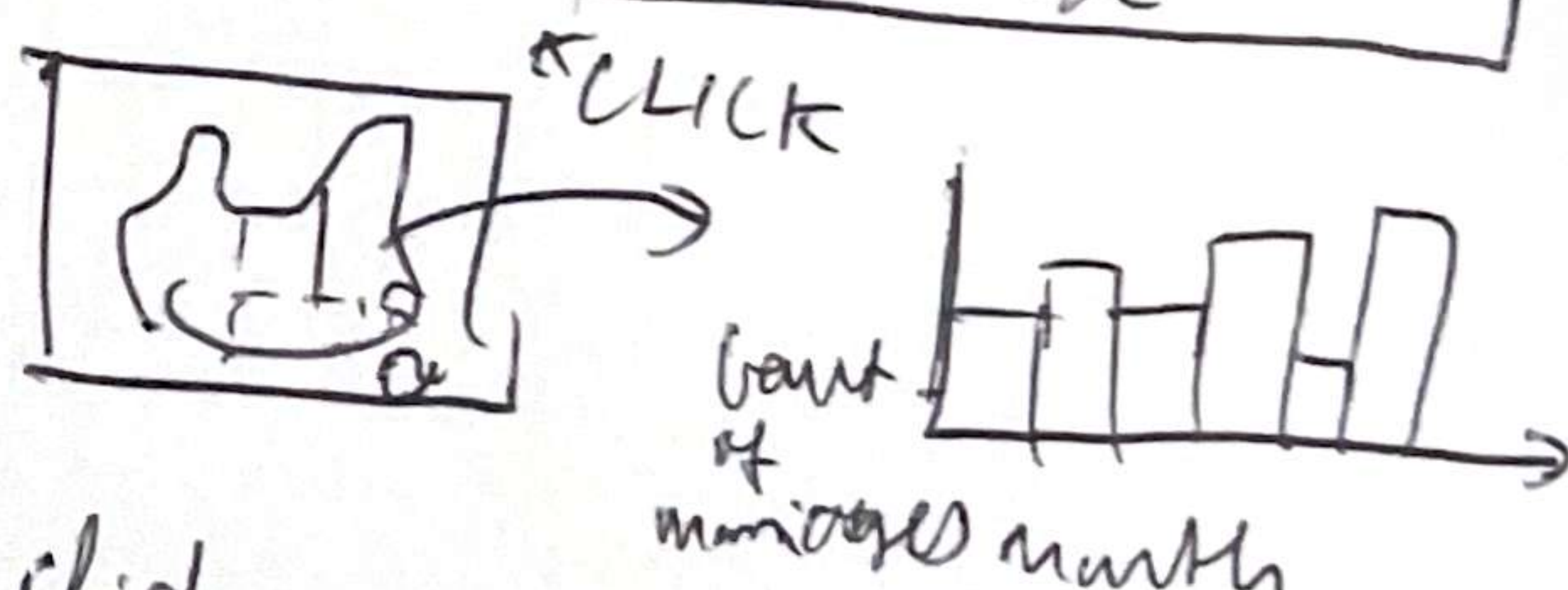
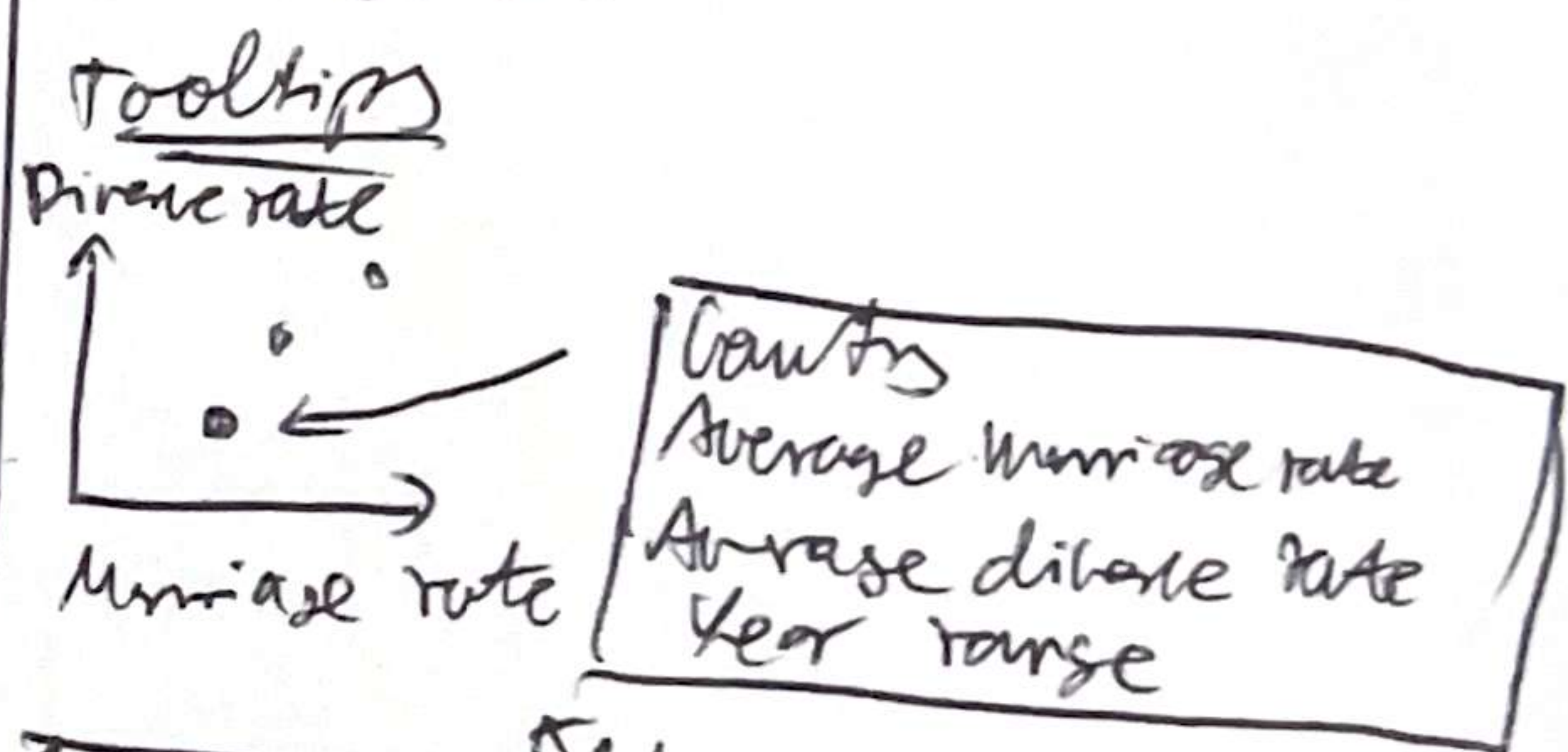
[Return to top](#)

Interactivity to go to start of intro. Quality-of-life change

- [Section 1](#) shows an overview of
- [Section 2](#) visualisation sections for
- [Section 3](#) reader. Clicking can take viewers to that section



Allows user to highlight time range on horizon. If range is selected, then scatterplot entry is AVERAGED over those years



Clicking on state shows the breakdown of marriages each month for that state.

DISCUSSION

Possibilities

- ~~More detail~~ → More detailed temporal breakdown if reader wants to explore more
- One filter affects multiple charts, illustrating them together coherently for the reader
- More annotations and use of figure-ground to highlight key figures

Negatives

- A bit not enough interaction
- Proportional symbol map may have too much white space
- Layout is slightly unbalanced, and no real focus.

LAYOUT

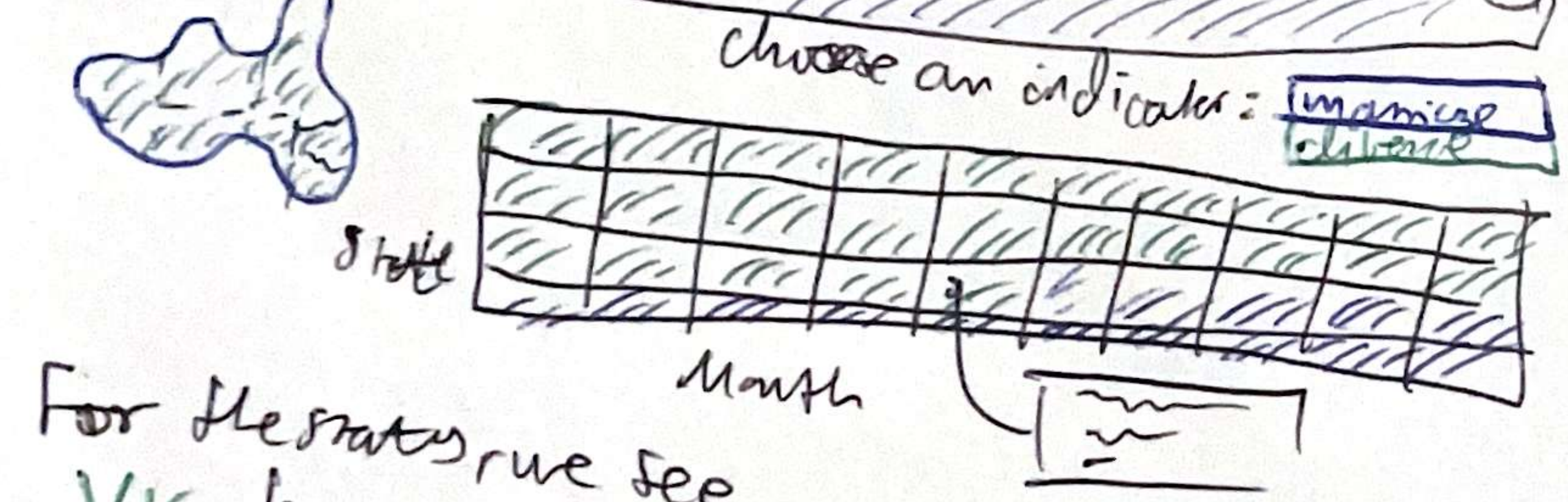
MARRIAGE AND DIVORCE TRENDS IN AUSTRALIA

Is marriage a thing of the past? Let's see how marriage and divorce trends have changed in Australia and the world in recent years



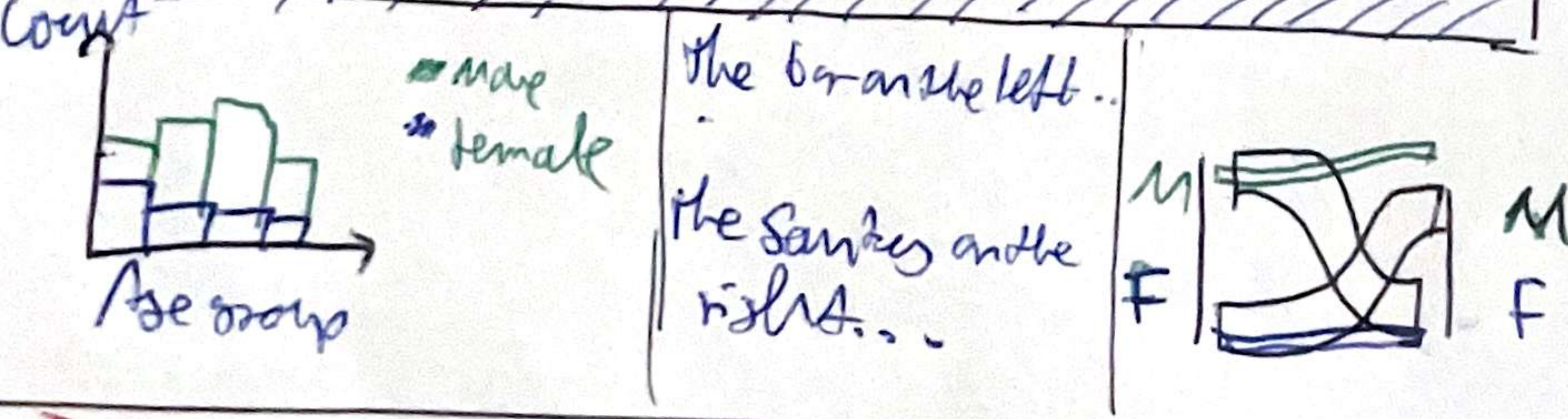
Australia typically has had ... select a year

Let's look closer to home: Australia's story



For the state you see
VIC has ... white NSW ...

A story of the people: Who's getting married?



Focus

These story progression is as follows

World overview → Country overview → Categorical breakdown

A clear top-down progression is seen to give reader manageable chunks of information

No chart is emphasised more than another, there is no central focus to the visualisation

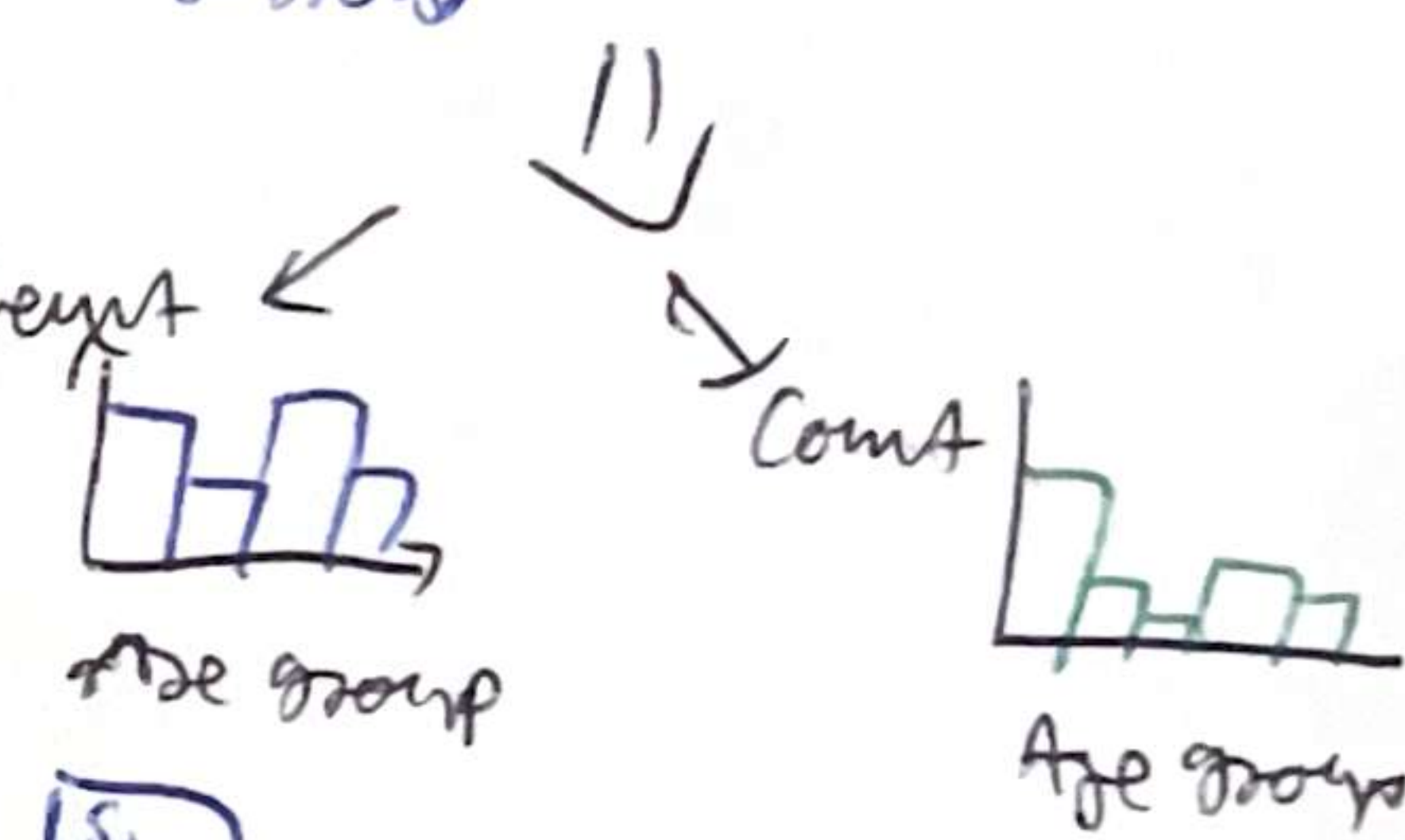
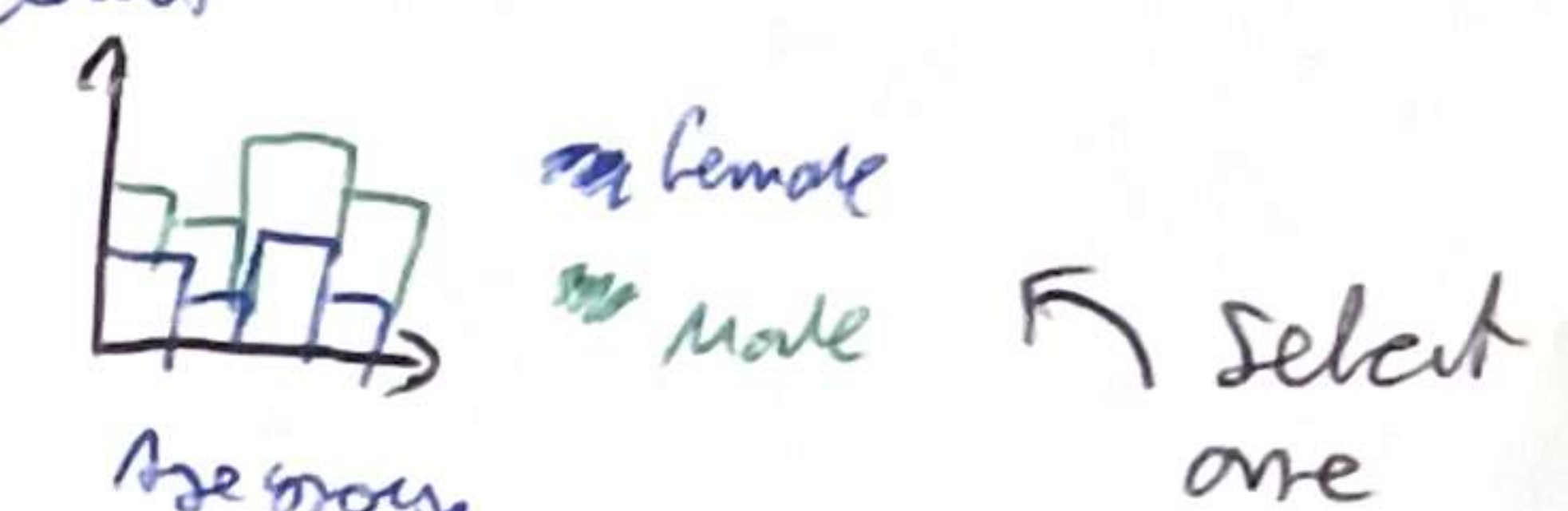
A focus on interactivity over simplicity
interactivity fits high-level charts producing a more DETAILED breakdown

e.g. in map
High level geographical breakdown
↓
Splits into temporal data

Title: Marriage and divorce trends in Australia
Author: Smaran Srikant
Date: 11/08/2025
Sheet: 1e
Table: DV2 SDS

OPERATIONS

marriage
divorce
select one
changes to marriage or divorce completely



This sidepanel follows viewer. Selecting takes to any section large QOL change

select ages → changes 1990 2020 dates on bump and line chart
tooltips

Total Rate
Region
Category
Category signifies marriage or divorce based on selection

DISCUSSIONS

Positives
→ lots of interactivity, engaging
→ colors are used consistently and minimally
→ story and idioms are grouped meaningfully

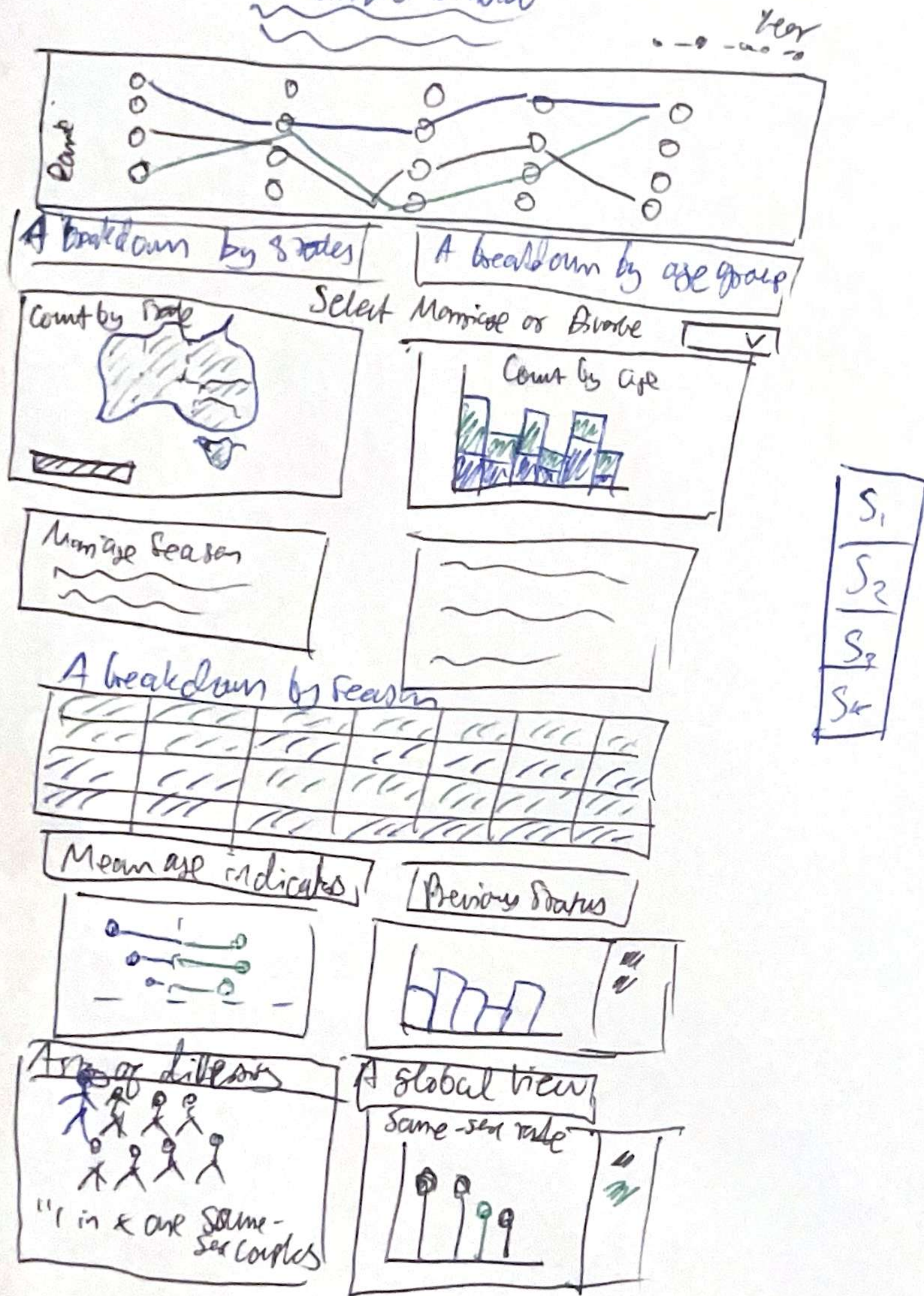
→ diverse chart choices
→ clear storytelling progression
→ structure is well-organised

Negatives
→ difficult implementations
→ No idioms that are easily interpretable - must be guided by creator

Layout

AN ARRANGE AND IN AUSTRALIA AND THE WORLD

A Global Overview



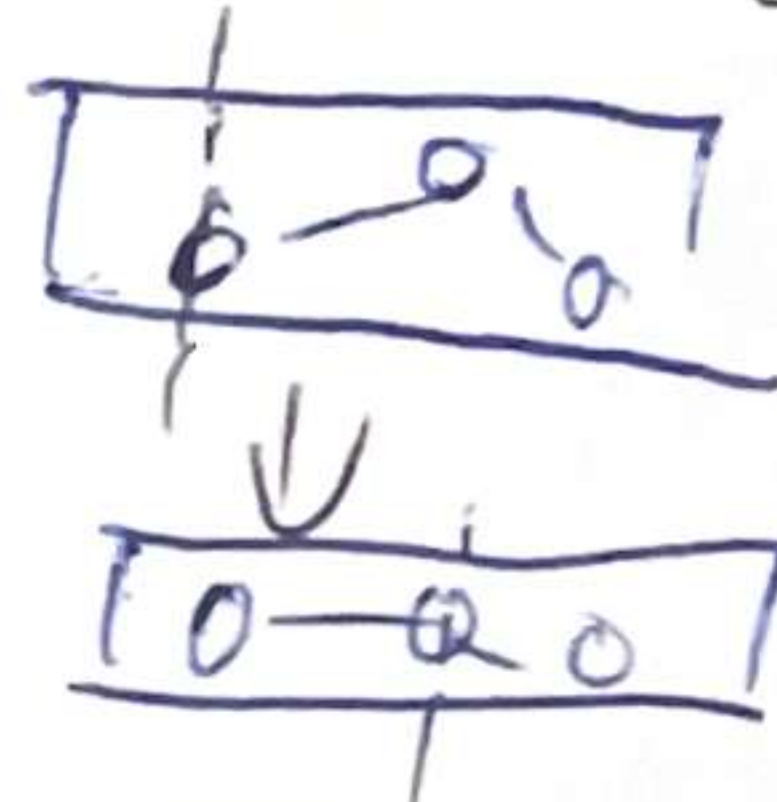
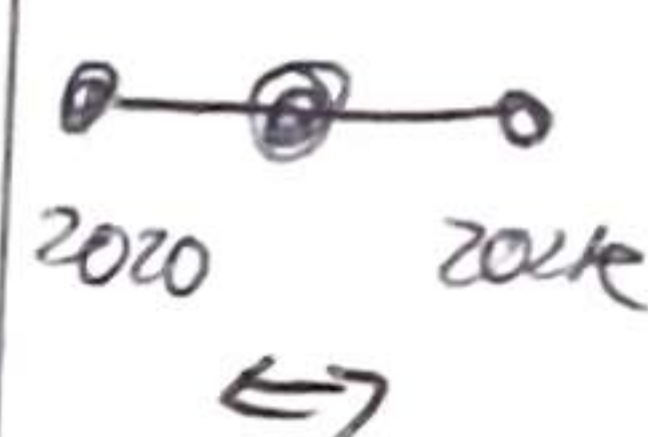
Title: Marriage and divorce in Australia and the world
 Author: Sridharan Srikumar
 Date: 12/08/2025
 Sheet: 5
 Date: DV2 SDS

OPERATIONS

Select marriage or divorce ☒ ☐
 Click* Marriage
 Divorce



Flip both between marriage and divorce
 Uses absolute position div to move with screen, jumps to any section for quality of life



tooltips:

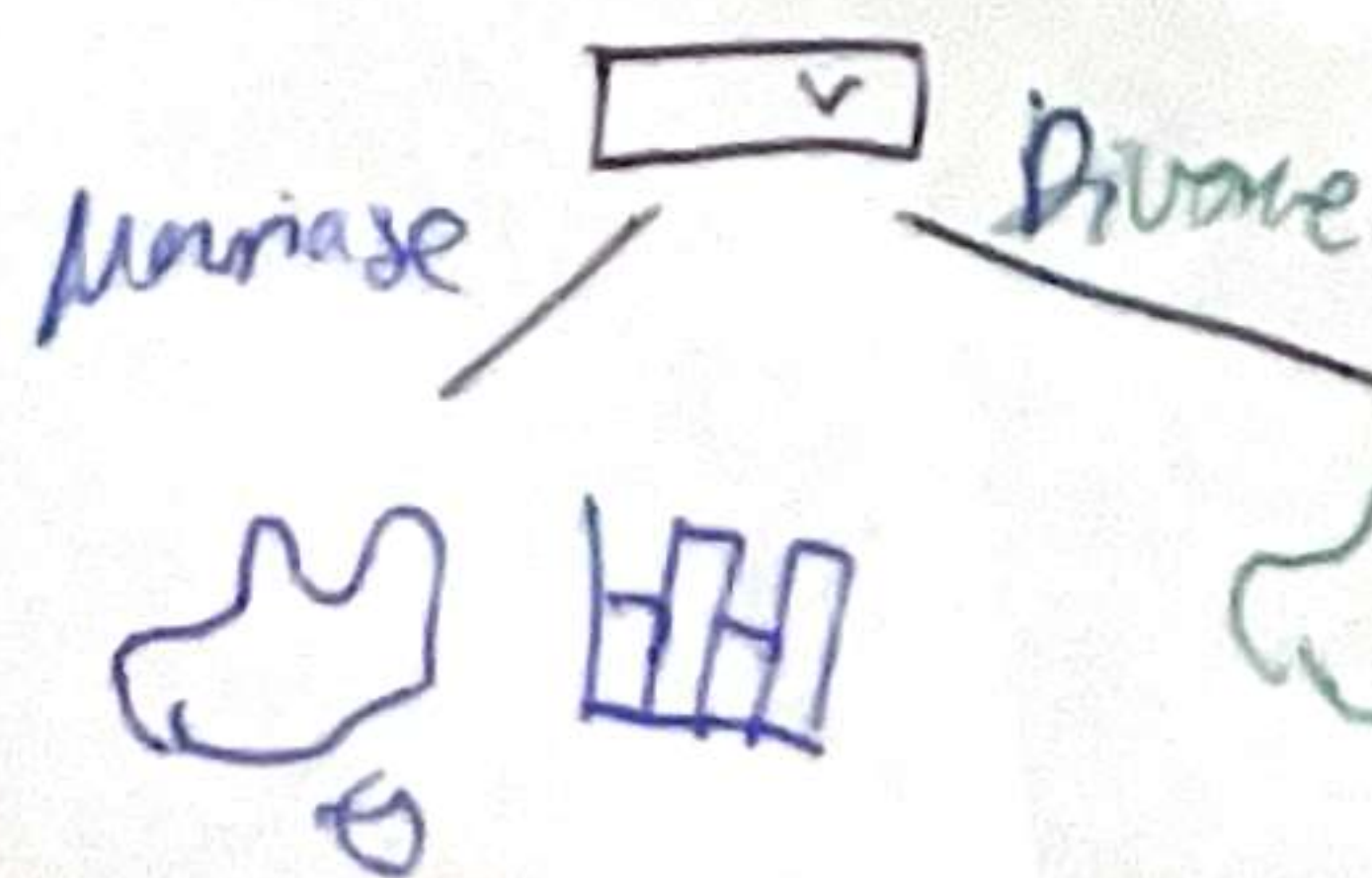
rate: m
 rate: v
 rate: v
 Present on every graph except isotype shows additional information

Annotations:
 Permanent tooltips, present for added info



Focus

- The layout is mostly mix between sheets 2 and 3.
- Improved right lines, + more sections for storyboards
- Orange for divorce, purple colour theme for marriage
- Figure zoom in bump chart and lollipop chart makes Australia red - Colourblind friendly



Focus on interactivity between marriage and divorce, where possible

DETAIL

- Done on Vega-Lite
- Need CSS and JS for multi-chart switching
- Additional fonts from Google API for typography
- Could use MDL library, but won't work as I go for a Gentle-clone div
- Multiple custom idioms and annotations, so will take 3-4 days
- Compatible for most screens, maintain symmetry as screen shrinks. If Pixels change, will run layout.