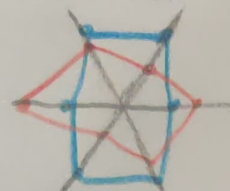


IDEAS



- Criminality score (Res score)
- Choropleth map

Radar Chart



- Aus v World

Scatter Plot



- Res v Crime score

Choropleth Aus



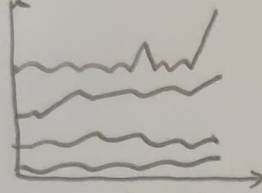
- Prisoners in Aus

Sunburst Diagram



- Division → Subdivision of crimes
- % total offences

Multi-line Chart



- Crime Per State

Sankey Diagram



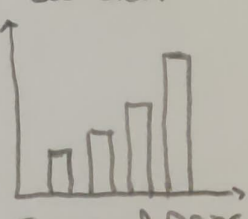
- Drug Usage/Make

Stacked Area



- Crime Divisions
- Offence count
- 2014-2023

Bar Chart



- Types of Drugs

TITLE: CRIME AT ALL LEVELS

AUTHOR: KESPIN MARTIN

DATE: 13.10.24

SHEET: 1

TASK: IDEATION / PLANNING

CATEGORISE

① Crime Around the World

- Choropleth map
- Radar Chart
- Scatter Plot

② Crime in Australia

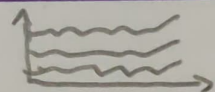
- Choropleth map (prisoners)
- Multi-line Chart

③ Crime in Victoria

- Sunburst Diagram
- Stacked Area Chart
- Bar Chart (Drugs)
- Sankey Diagram

FILTER

- Sunburst Diagram
- Potentially too difficult in vegalite
- Outer ring may not be easily comparable.



- Multi-line Chart
- May be too similar to other ideas
- Crime per state too similar to VIC breakdown

SANKEY

- Too difficult in vegalite
- Not appropriate for drug data.

COMBINE + REFINE



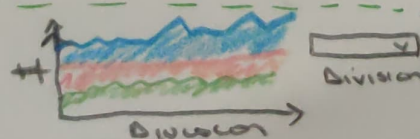
2013 2023

← Tooltip: Aus Male v Female Rates
→ Indigenous %

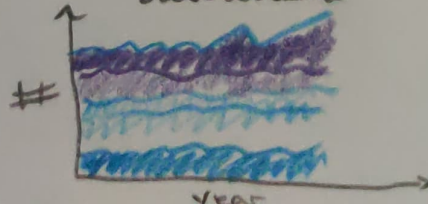
Aus Choropleth

- Yearly Slider
- Show prisoners distribution in Australia from last 10 years.

- Eliminate Sunburst Diagram
- Add filter to Stacked Area
- Breakdown division when selected to subdivision from 2013-2023.
- Adds interactivity



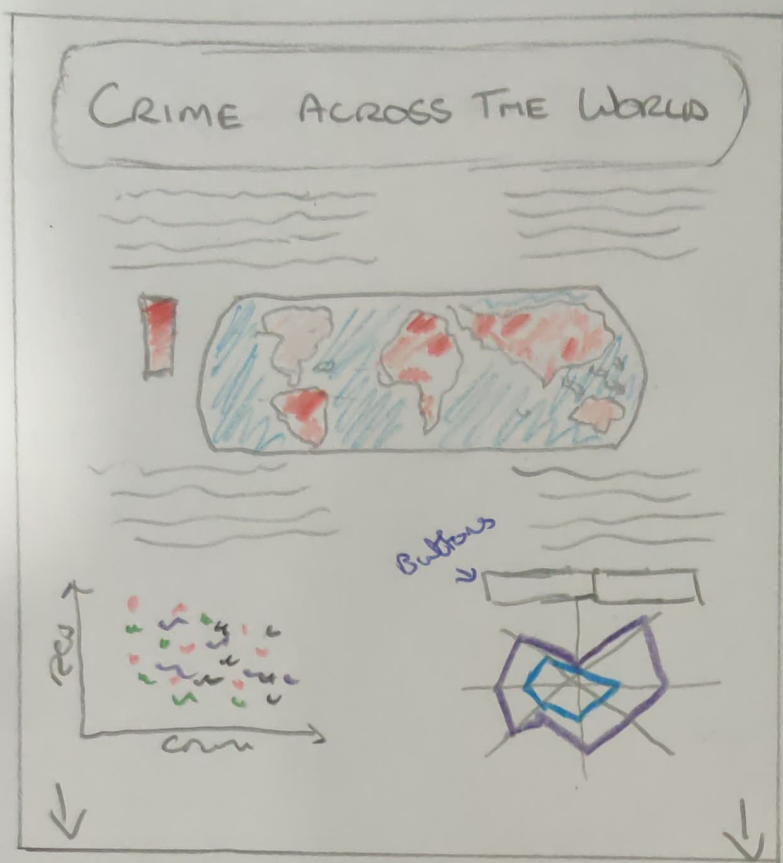
Division
Subdivisions



QUESTIONS

- Can I tell a cohesive story with so much different data?
- Can I get approval to use Vega for more complex charts?
- What widgets are available for sunburst or sankeys?
- Is there enough volume?
- Even distribution of focus or focus more on Victoria?

LAYOUT



- Scrollable Interactive Poster

↳ Potential for more panels + more text

↳ Clear sections for levels

↳ Globe > Aus > Victoria

↓
Continues with more icons

TITLE: CRIME AT ALL LEVELS

AUTHOR: KRISTIN MARTIN

DATE: 13.10.24

SHEET: 2

TASK: DESIGN 1.- Interactive Poster.

OPERATION

World Map: 2023/2021 button.
Shows choropleth map for both datasets.

→ Requires tooltips.

Radar Chart: Button to switch ~~between~~ between criminality & Residence factors

Tooltips => Sunburst, both maps radar, scatter plot, sankey diagram

Aus map: Yearly slider for past 10 years.. of prisoners.

2013 ————— 2023

Focus

- Focus on world wide impact

↳ World map - Criminality Index

↳ Radar plots of criminality + residence factors

→ Every icon to be interactive

→ MINDR focus on just australia but generally all about Aus vs World.

Discussion

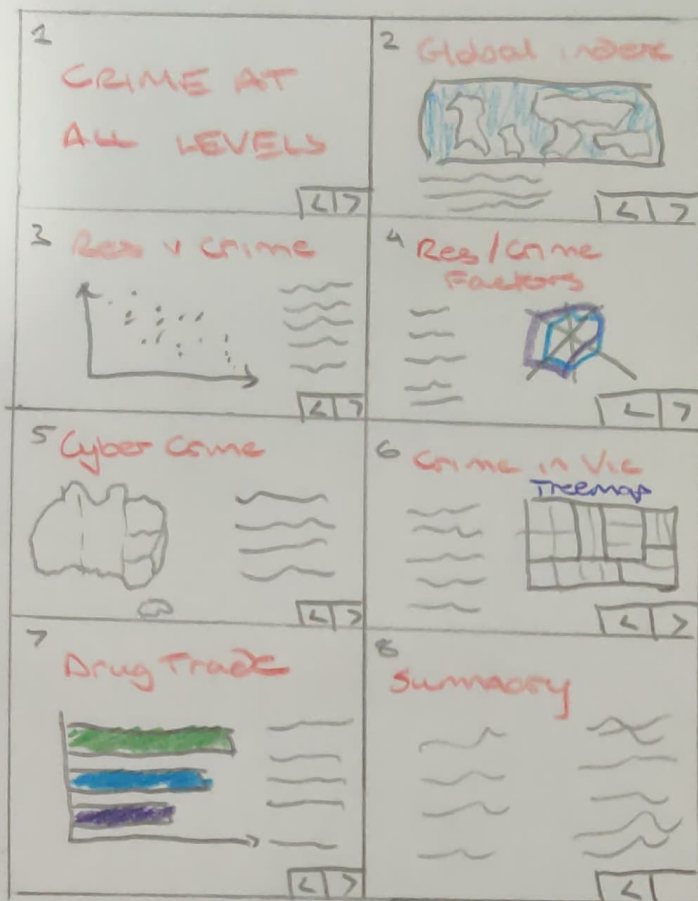
Advantages:

- Clear layout + structure
- Easy to manage in HTML
- Lots of text to make cohesive story
- Highly flexible layout

Disadvantages:

- Information overload
- May be too basic/safe
- Lots of typography considered

Layout



- Slideshow with 8-10 panels.
- Each to contain colour + storytelling

Focus

- Big focus on storytelling
 - ↳ Needs to be enough content + discussion for each page to prevent massive whitespace
 - ↳ Treemap to be clearly defined and visible

Networks [↳ Office Division of Crimes
↳ Office Subdivision.

TITLE: Crime at all levels

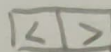
Author: Kelsin Martin

DATE: 13.10.24

SHEET: 3

Task: Design 2: Interactive Slideshow

Operation.



↳ Forward/backwards -
slideshow operators.

Interactivity

↳ Workshop + Radar chart
same as Sheet 2 operations



- Australia map
of cyber crime
incidents



↑
Filter by type of cybercrime
↳ Scams
↳ personal fraud
↳ ID theft.

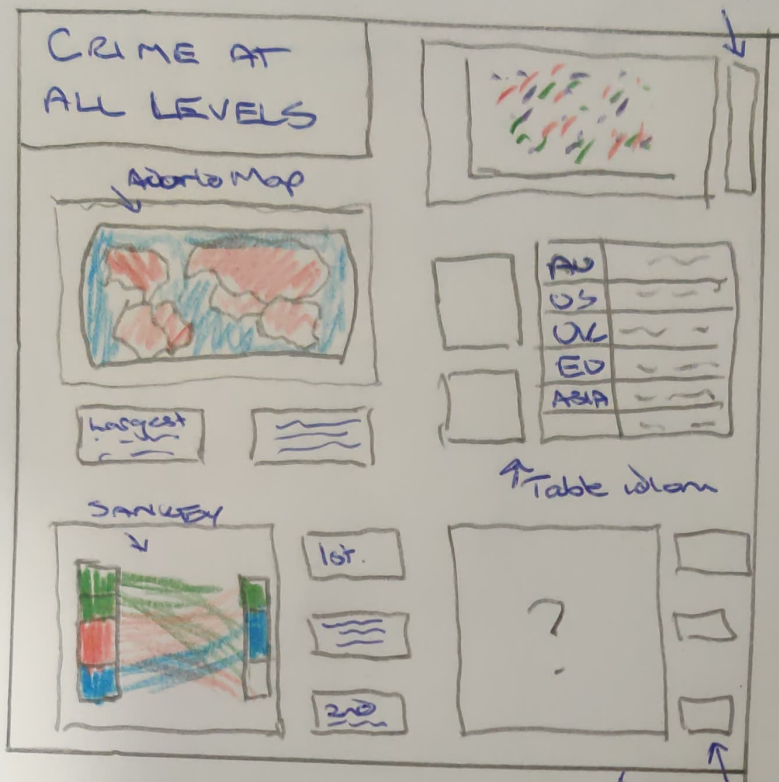
Discussion

Advantages:

- ↳ Unique and fun for user to play along
- ↳ Great storytelling aspect
- ↳ clear structure (id icon + story)

Disadvantages:

- ↳ Difficult to design/implement
- ↳ Not enough HTML skills
- ↳ May have slow load times.



Filter options

TITLE: Crime at all levels

AUTHOR: Krispin Martin

DATE: 13.10.24

SHEET: 4

TASK: DESIGN 3: STATS DASHBOARDS

Operation

1st in Drugs - Ranking/Highlight panels also double as filter options and buttons to show/hide different idioms.

↳ Diff way to get more idioms on single dashboard.

Table idiom - to have multiple buttons to change type of data.

Text boxes change with button click.

Discussion

Advantages:

→ Lots of stats and idioms to show

→ Basic design + easy implementation

Disadvantages

→ Not much room for storytelling

→ May not be able to use complex idioms without storytelling

Statistical Dashboard

Buttons to change idiom

↳ Incorporates idioms with

Lots of interactivity + explorability

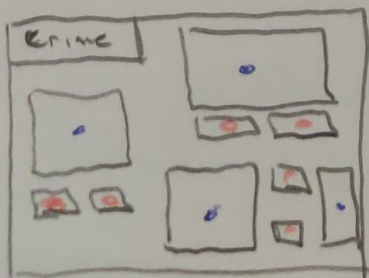
↳ Lots of filtering options

→ Some but not lots of storytelling

Focus

→ Big statistical focus

→ Focus on Australia rankings around the world and highlight them



• Idioms

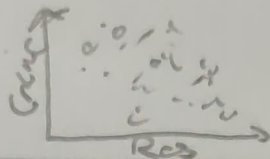
• Ranking Panels (highlight)

1st in Drugs

← Example highlight panel

CRIME ON ALL LEVELS

The Global Scale



Cyber Crimes Across Australia



Crimes in Victoria + The Drug Trade



→ Similar structure to design sheet 2.
but more of the story telling from 3.

Focus

→ Each section to focus on subheadings

↳ The Global scale (1)

↳ Cyber Crimes Across Australia (2)

↳ Crimes in Vic + Drug Trade (3)

→ Emphasis on clear break up of sections + text

→ Consistent colouring + color safe

→ Lots of useful interactivity

TITLE: CRIME AT ALL LEVELS

AUTHOR: KESSAN MARTIN

DATE: 13.10.24

SHEET: 5

TASK: DESIGN REALISATION

Operation

Scatterplot

↳ Filter by click to filter continent.

dots will be coloured

by continent

{value: 0.9, opacity: 0.2}

SANKEY

↳ Both axes can be clickable.

Filters by drug type
or filters by drug offence type.

Discussion / Details

Dependencies

→ Learning HTML/CSS/Vega

→ Excel/R data manipulation

→ Creating interactivity of charts.

Estimations

→ 4 days to build icons

→ 3 days to build HTML

→ 2 days to build CSS

→ 1 day to finalise

Design Details

→ light background

→ color consistency on graphs