

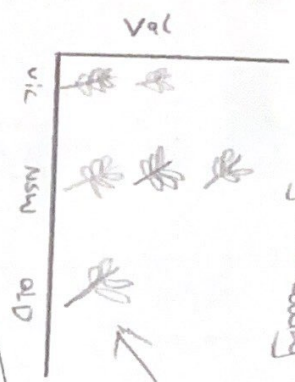
Value of Commodities Produced by State 2020-21

Quick overview of output by State



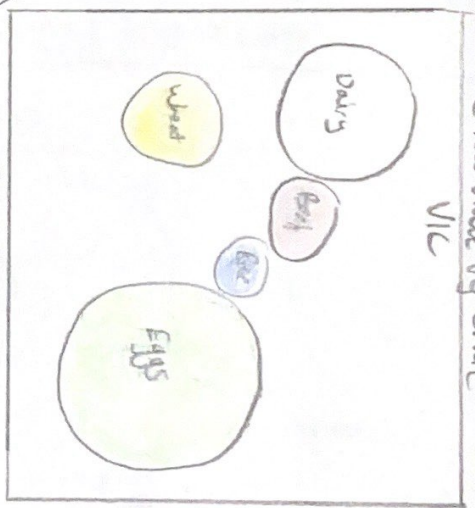
Possibly No interaction

* Color Subject to change Value by Commodity

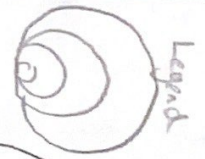


Toggle marker based on commodity

Gross Value by State



Bubble chart for commodity val by state



Stacked bar for commodity by State

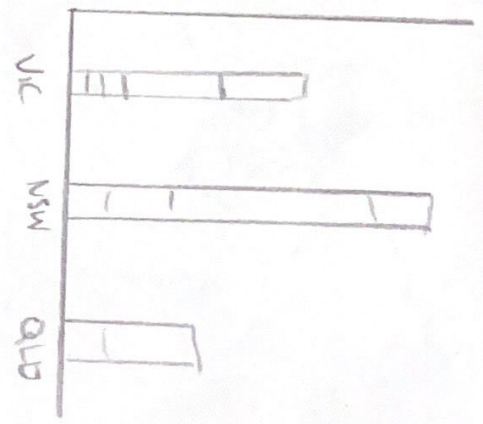


Table of values by state

| STATE | Dairy | Grains | Livestock |
|-------|--------|--------|-----------|
| VIC | \$ >>> | \$ >>> | \$ >>> |
| NSW | \$ >>> | \$ >>> | \$ >>> |
| QLD | \$ >>> | \$ >>> | \$ >>> |
| WA | \$ >>> | \$ >>> | \$ >>> |
| NT | \$ >>> | \$ >>> | \$ >>> |
| SA | \$ >>> | \$ >>> | \$ >>> |
| ACT | \$ >>> | \$ >>> | \$ >>> |
| TAS | \$ >>> | \$ | \$ >>> |

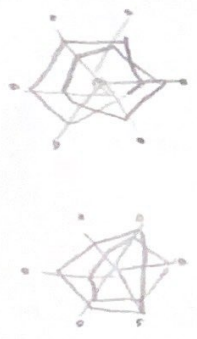


Contribution to National agri Output by State

- State 1
- State 2
- State 3
- State 4
- State 5
- State 6

SHEET 1: IDEAS

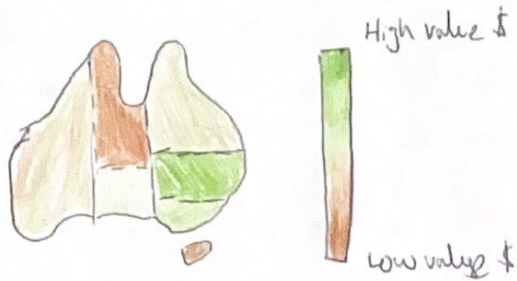
Radar State vs Aus



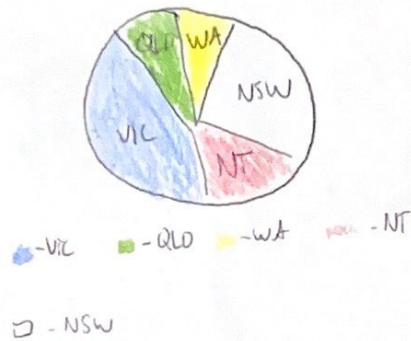
Grouping of Commodities

| | |
|-------|-------|
| wheat | Dairy |
| eggs | |
| beef | wool |
| fruit | |

SHEET 1: Filter



- High level overview of data
- Color scheme for heatmap set to something more on theme for agriculture



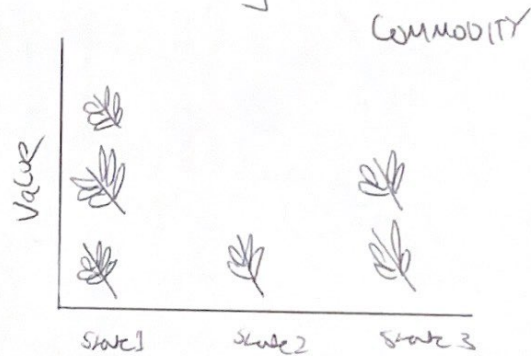
| | wheat | beef | dairy |
|-----|-------|-------|-------|
| VIC | \$xxx | \$xxx | \$xxx |
| NSW | \$xxx | \$xxx | \$xxx |
| QLD | \$xxx | \$xxx | \$xxx |

- keeping table of values by state by commodity

STATE [TITLE]



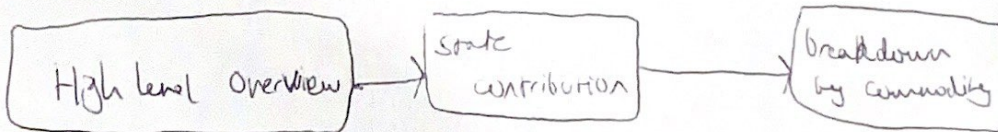
- Keeping this instead of tree map
- bubbles represent the value of the commodity



SHEET 1: QUESTIONS

- What interactive Elements should I add?
- How do I get the narrative of the vis to flow smoothly?

SHEET 1: CATEGORIZE



SHEET 1: COMBINE & REFINE

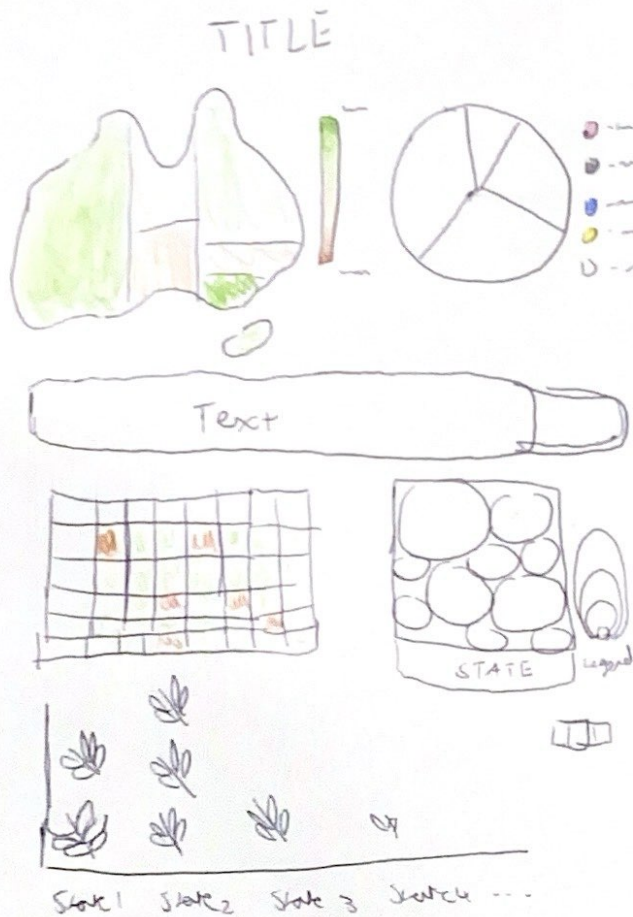
Table of values by state by commodity

Heatmap

| STATE | wheat | beef | dairy | ... |
|-------|--------|--------|--------|-----|
| VIC | green | orange | yellow | |
| NSW | orange | green | orange | |

Make table to heatmap

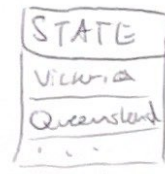
Layout



TITLE: Australian Agri Output 2020/21
 AUTHOR: GUNW KHAMNA
 DATE: 15/10
 SHEET: 2
 TASK: FIT3179 DATA viz 2

Operations

Dropdown Selector for
 State & Commodity

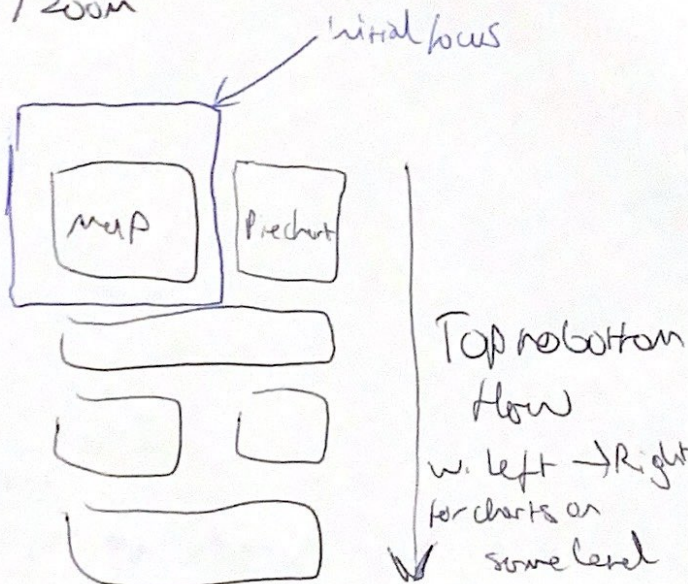


- selects the
 state to display
 for bubble chart
 and pictogram
 chart

Tooltips

- chloropleth map, pie chart,
 heat map and bubble chart
 will have hover over tooltips
 for exact values

Focus / Zoom



Discussion

Positives:

- Balanced & Symmetric
 layout

Negatives:

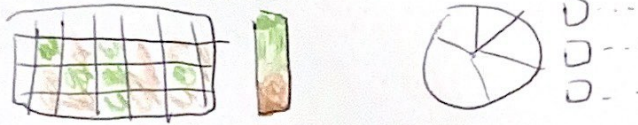
- lack of informative ~~vis~~
 annotations
 - lacks ability to tell story
 top to bottom

Layout



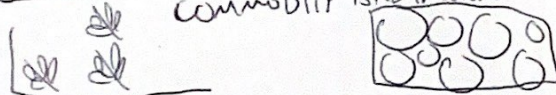
Text giving background info and talks through map

STATE CONTRIBUTION



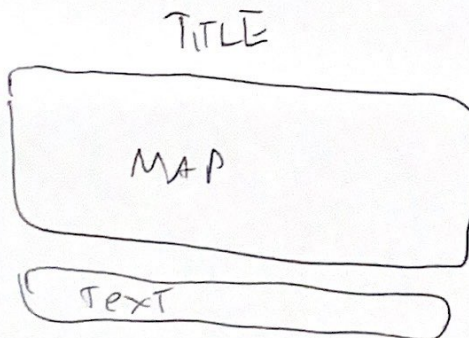
Text talking about state contributions

COMMODITY BREAKDOWN



Text talking about commodities

Focus / zoom



commented by the map
this is good as this is the high level overview of the data

TITLE: Australian Agri Output 2020/21

AUTHOR: GUNW KHANNA

DATE: 15/10

SHEET: 3

TASK: FIT 3179 data viz 2

Operations

- Drop down selectors

for the State Contribution
Section for state

Commodity breakdown
Section will break for
state & commodity:

| SELECT | |
|--------|-----|
| state | com |
| - | - |
| - | - |

- All graphs will have tooltips
for values (exact) if not
already specified

Discussion

Positives

- Layout balanced and
Symmetric

- broken into sections for
ease of story telling

Negatives

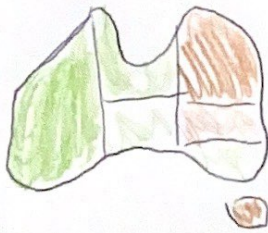
- ~~the~~ background info not clearly
given

- Choropleth map & heat map
should not take same colors

Layout

MAINTITLE

Background information

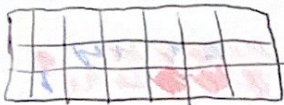


MAINTITLE
Text talking
Through map

SECTION 1: CONTRIBUTION BY STATE

Introductory/narrative text for section

VALUE BY STATE
FOR EACH COMMODITY



OVERALL CONTRIBUTION
TO AUSTRALIA'S AGRICULTURE



SECTION 2: IMPORTANCE OF EACH COMMODITY

Narrative text for section

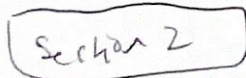
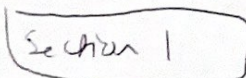
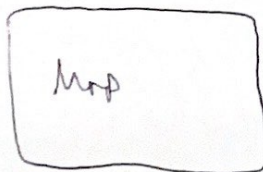
STATE BY COMMODITY



COMMODITY BY STATE



Focus/zoom



- Map commands focus
- Flow from one section to the other with noticeable changes to signal a new section
- Top to bottom left to right flow

TITLE: Australian Agri Output 2020/21

AUTHOR: GUNIN KHANNA

DATE: 15/10

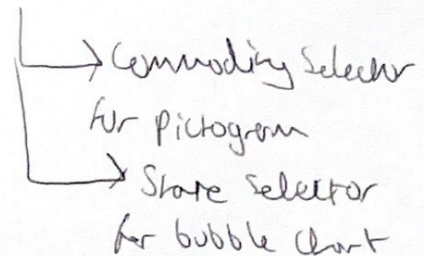
SHEET: 4

TASK: Data viz 2

Operations

Dropdown Selectors

- Section 2:



Tooltip

- hover on any map

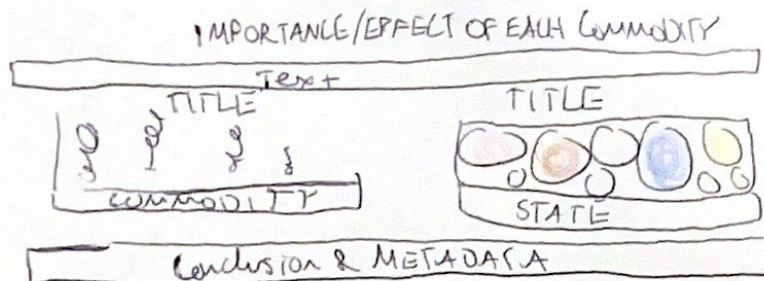
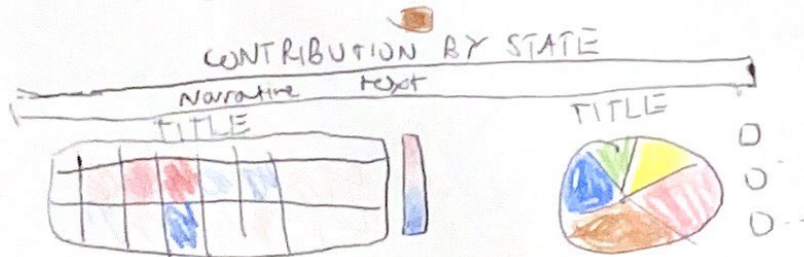
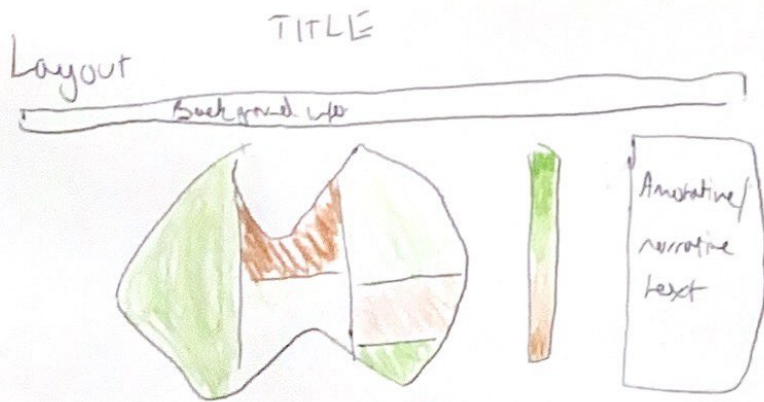
Discussion

Positives

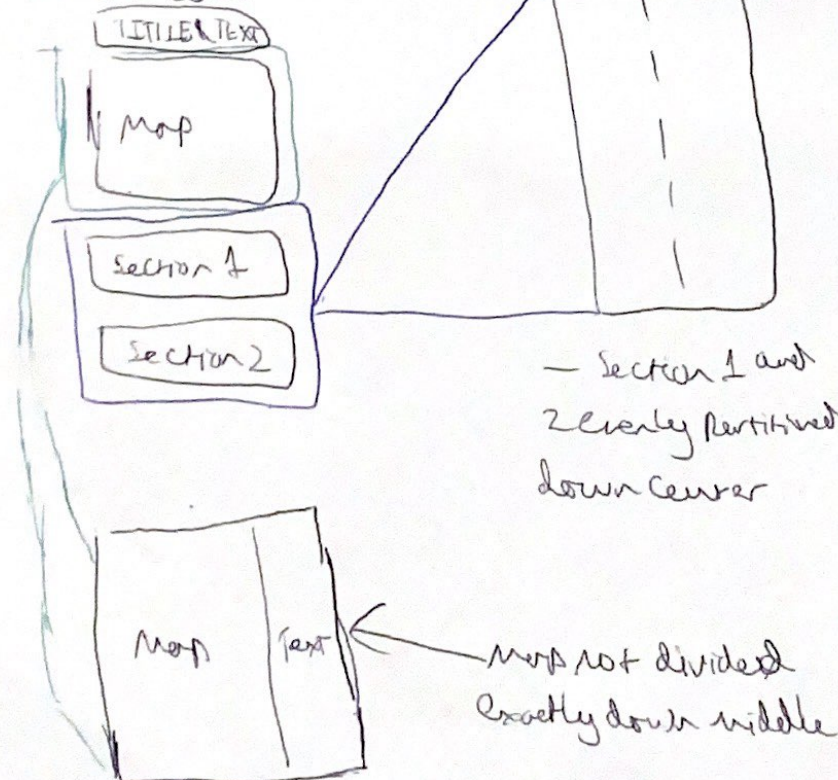
- Good flow of narrative

Negatives

- missing metadata section
- would be nice to conclude with text



Focus/Zoom



TITLE: Australian Agri Output 2020/21
 AUTHOR: GUNW KHAMMA
 DATE: 15/10
 SHEET: 5
 TASK: Data vis 2

Operations

Dropdown Selector

- Program
 - Commodity selector
- Bubble chart
 - State selector

Tooltip

- hover anywhere for exact values

Details

Dependencies

- Python/excel for data wrangling
- Vega lite for maps
- CSS for style & layout

Est time

8 hours