

IDEAS

Ⓐ Dot map

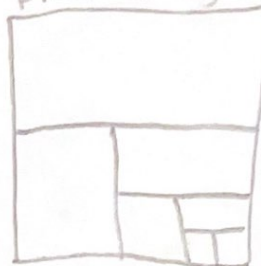
Secondary schools in Vic
by enrolments



• government
• independent
• catholic

Ⓒ Tree map

Enrolments by School



Ⓔ Bar Chart



Ⓑ Choropleth map

Median study score by LGA



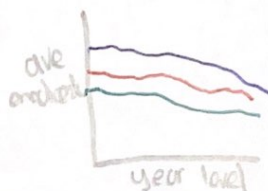
score
40
0

Ⓓ Scatter Plot

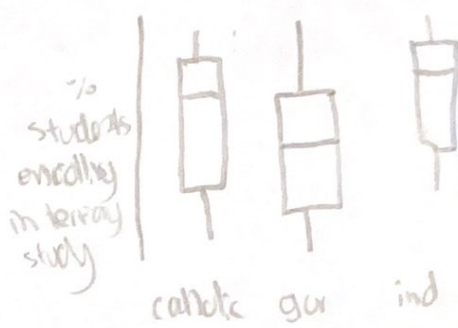


• government
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• catholic

Ⓔ Line Chart



Ⓕ Box Plot



REMOVE/FILTER

Ⓐ Dot map

There are over 600 high schools, having all these points would be extremely cluttered unless the map can be zoomed

Ⓒ Tree map

May need to only show the highest enrolment schools as there are too many, or filter by sector

CATAGORISE

Enrolments ⒶⒸⒺ

Area of study ⒺⒻ

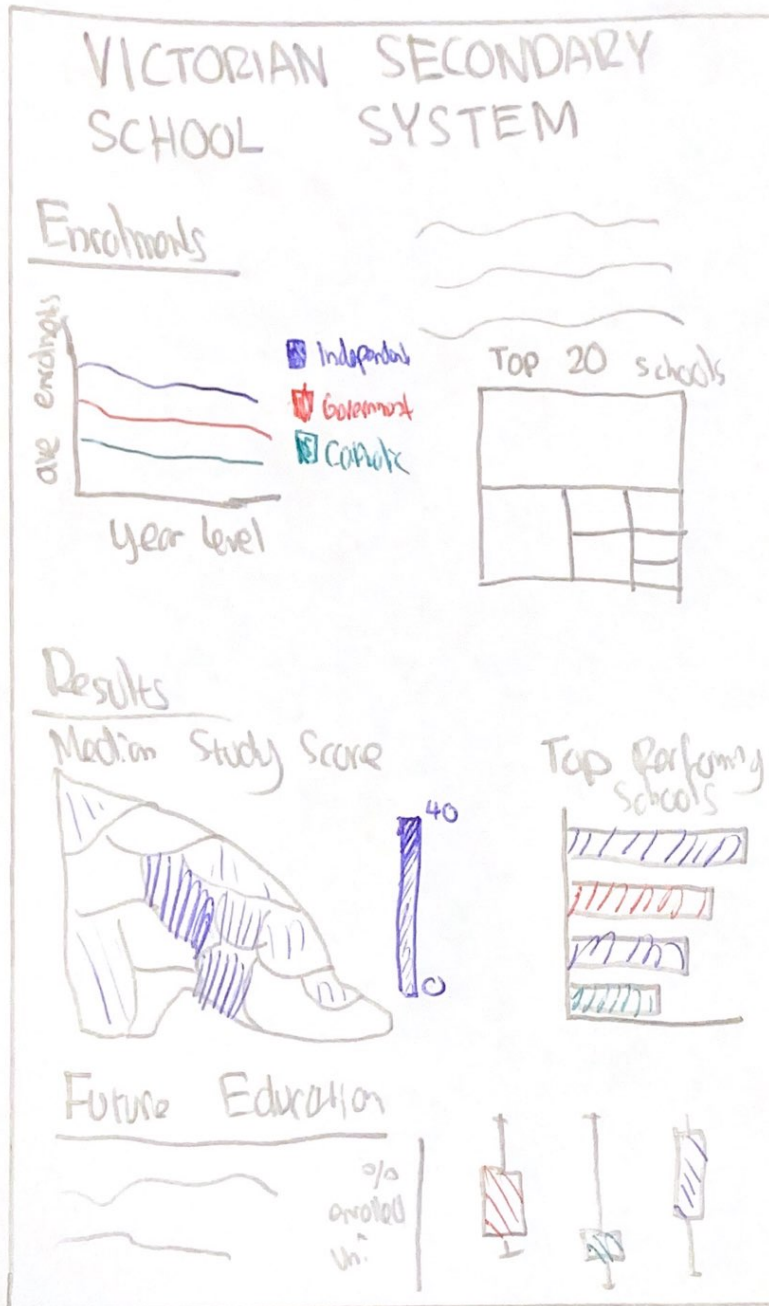
Sector ⒶⒺⒻ

Score/Results ⒺⒹ

COMBINE

Ⓐ and Ⓑ could potentially be combined by adding metadata that shows which schools are within each LGA rather than plotting every value on the dot map

LAYOUT



OPERATION

Filter: Allow map to zoom into area when pressed

Tool-tips: Add school sector, enrolments, median study score, % above 40 study score.

Filter: Add filter to separate schools by sector.

Filter: Allow schools in each area to be filtered.

FOCUS

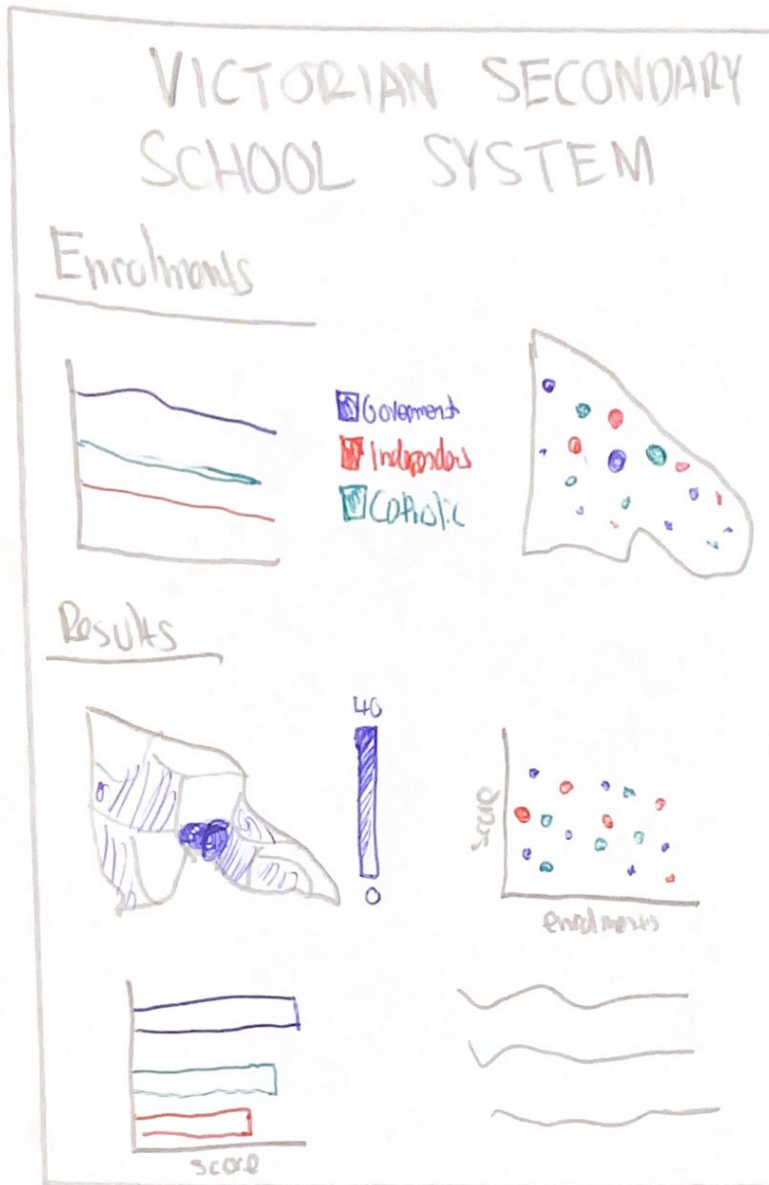
- Choropleth map is the centerpiece of the data vis and should have the most user interactivity.
- Increase size of charts that are most important.

DETAILS

Advantages: Wide variety to charts, separation of categories.

Disadvantages: Lack of space for text/explanations.

LAYOUT



OPERATION

Filter: create search feature which only shows data for a particular school or sector.

Tool-tips: include detail about school sector, scores, enrolments and location for data

Zoom: add interactive click feature which zooms into a part of the map when pressed.

FOCUS

- Maps are the main focus of the data visualisation and there are interactive features.
- Charts directly below the titles will be read first by the viewer.

DISCUSSION

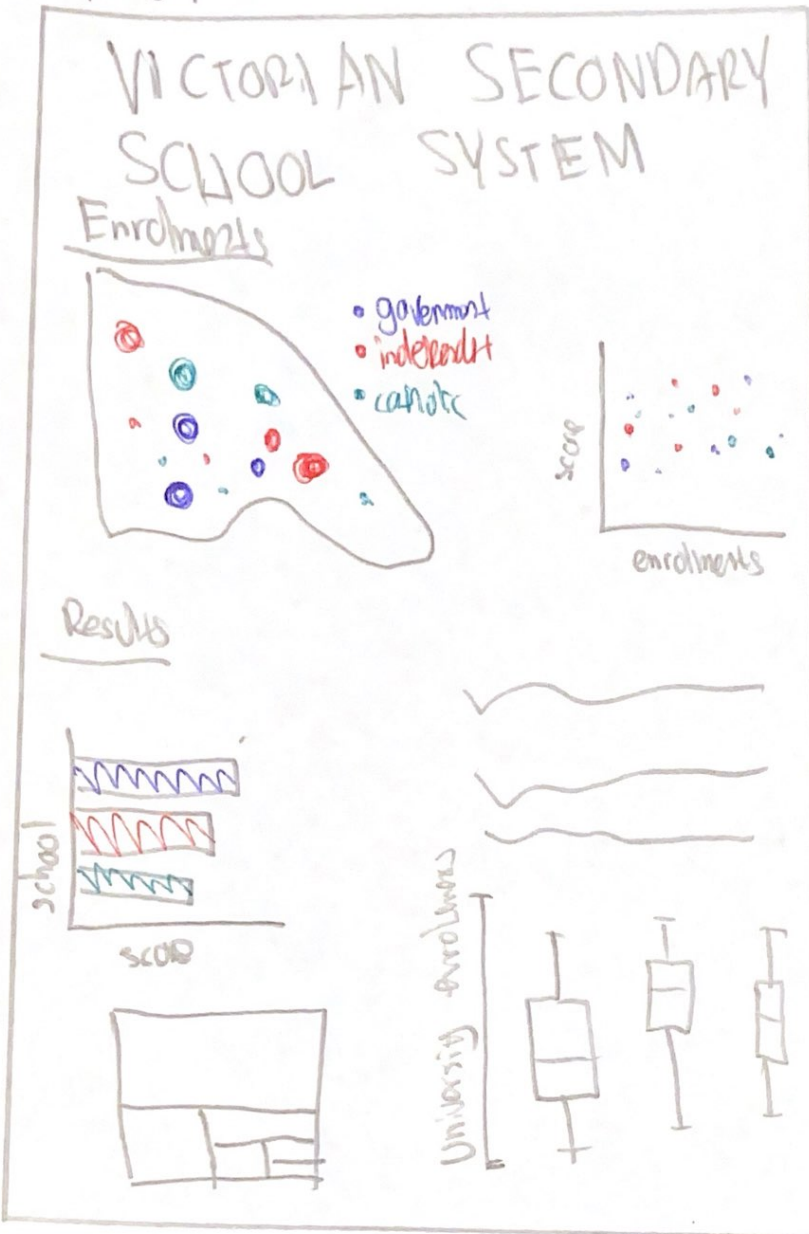
Advantages:

- Large variety of charts, useful filters

Disadvantages:

- Not enough space for additional text and images.

LAYOUT



OPERATION

Search: feature to search for particular schools within the map and scatterplot

Tooltip: Add details about school type, enrolments, scores and location.

Filter: add option to only show schools that belong to a particular sector.

FOCUS

- Map and scatterplot will be the main charts as they contain filters that can be interacted with.
- Smaller charts do not gain as much attention from viewer.

DISCUSSION

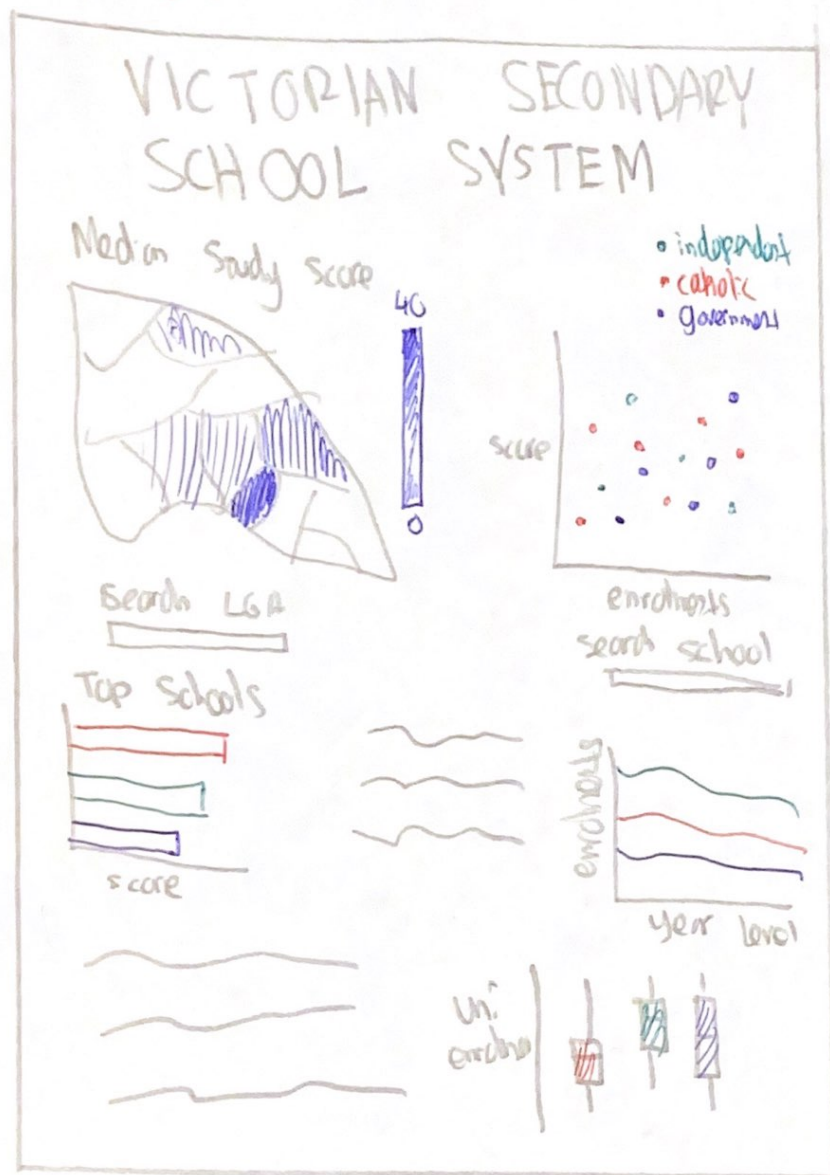
Advantages:

- Filters make data more clear/easier to search

Disadvantages

- no annotation, limited text/explanations

LAYOUT



OPERATION

Search: Added feature for school to be searched in scatterplot and LGA to be filtered in choropleth map.

Tooltips: Add relevant about school location, sector, enrollments and scores for relevant charts.

Zoom: Allow user to click on map and it zoom in.

FOCUS

User will be drawn towards the map as it is large and contains filters that can be interacted with.

- Scatterplot contains search feature that will draw the users attention.
- Smaller graphs need to be less important as they are not the focus.

DETAILS

- Make the dashboard vertical and scrollable

Timeframe

- 1 day - gather data
- 1 day - create charts
- 1 day - format dashboard