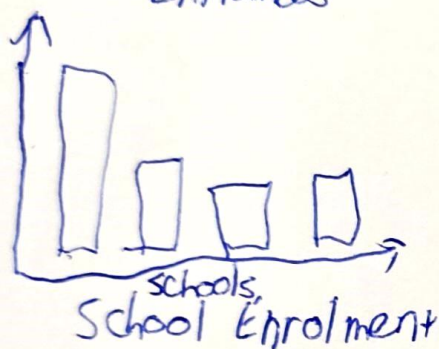
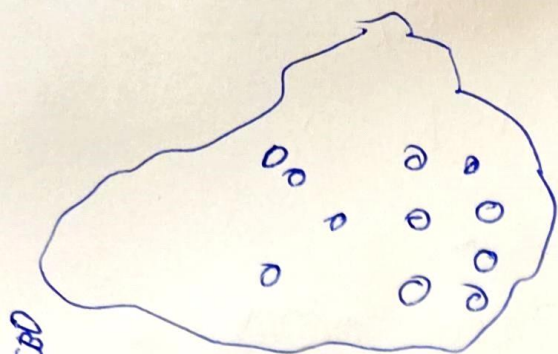


NSW Stations

Sheet 2

Ethan Watts
16/09/2025
NSW School Access



- Hover over stations
for number of enrolments

Zoom

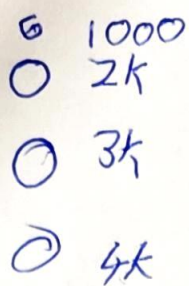


- Simple layout
- Not enough story telling

NSW schools



Enrolment



Sheet 3

Ethan Watts

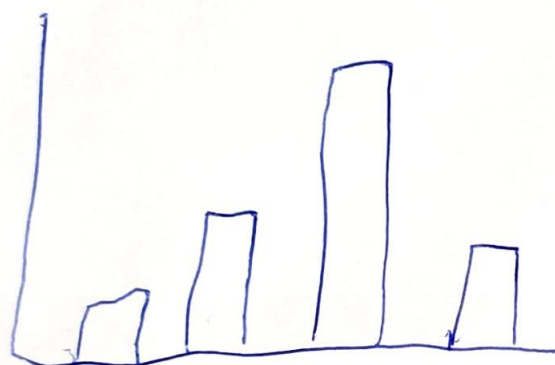
16/09/2025

NSW schools

-click map enrolments
for schools

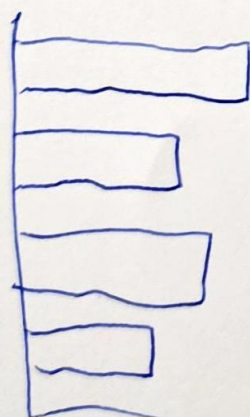
-Hover over bars for
tool tip

No. Schools



Enrolments

LEA

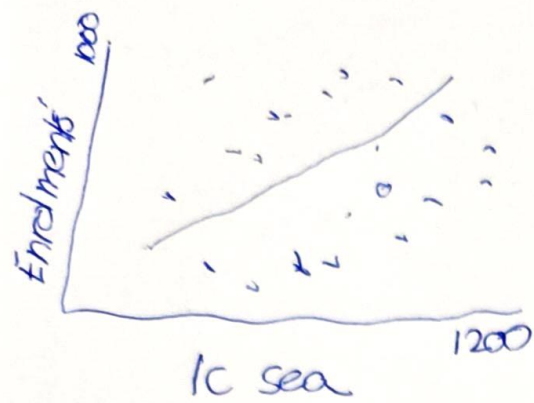


Secondary
Schools

- More interaction needed
- Overview shown
in map then broken
down to school
level

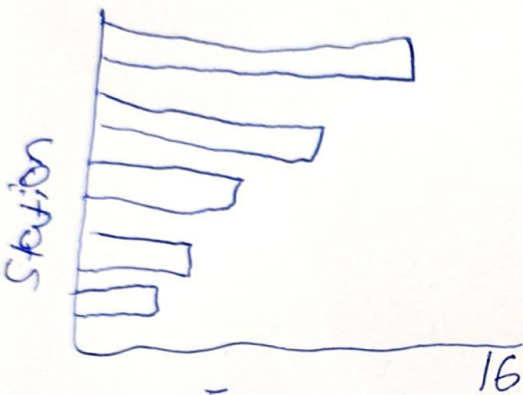
16/09/2025

NSW schools



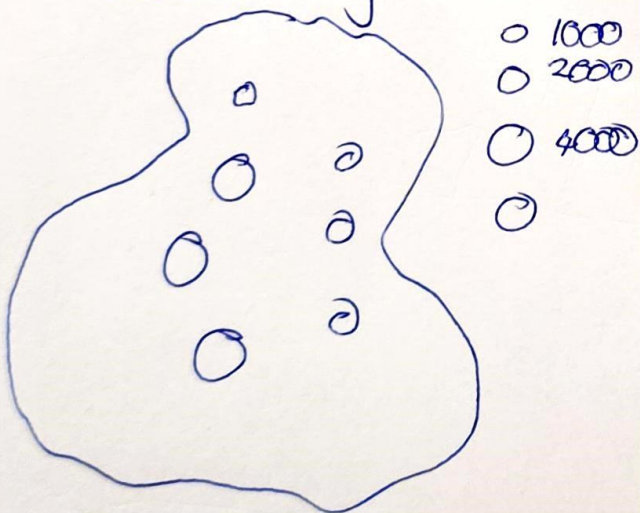
Hover over scatter
for tooltip

Hover over map for
School tooltip



Entrances

Schools by enrolment



- Map at bottom is
not ideal

- Scatter line shows
a good overview

- Text is needed

Big Picture:

Number of Schools in Proximity to Stations

Sheet 5 Ethan Watts

17/09/2025

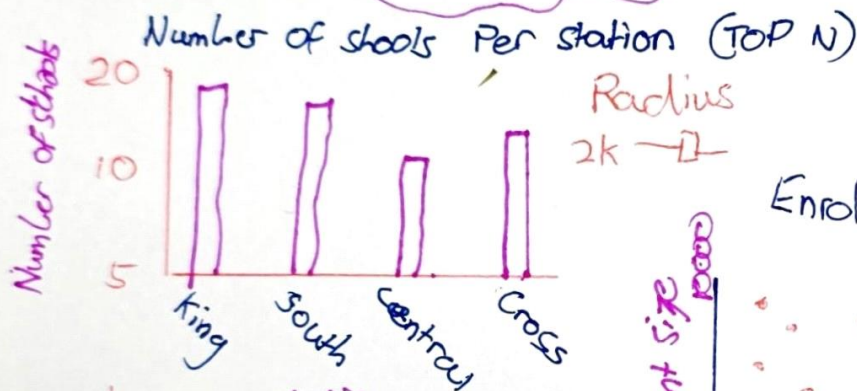
NSW schools Relative To Stations



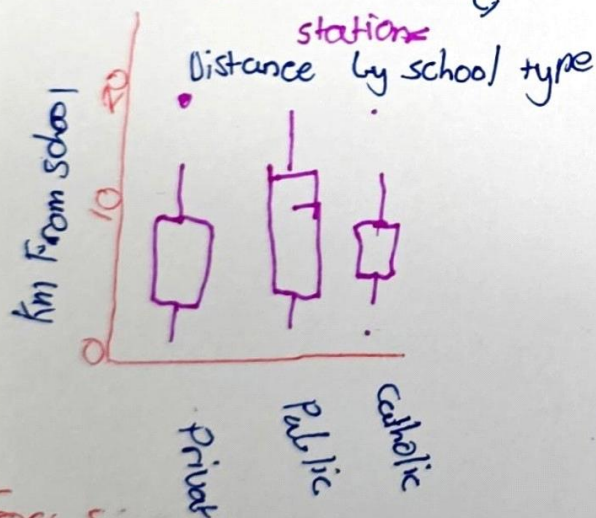
Radius Filter
2km

Interactive NSW Map - Hover, Filter (Stations and schools)
Used to explore number of schools in radius of station
Bar chart - Top number of schools within filtered radius of station

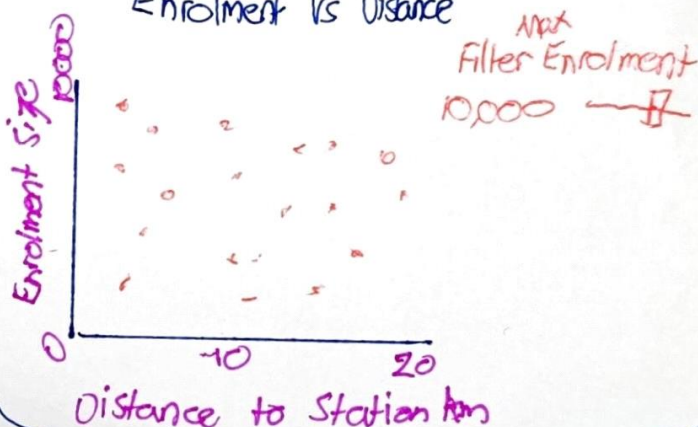
Scatterplot - Show school sizes relative to distance from station
Boxplot - Stations near schools based on type



Radius
2k



Enrolment vs Distance



max
Filter Enrolment
10,000

How to build
NSW station and school data
Algorithm: Nearest station by school:

Focus:

A tool that answers: Where are NSW schools relative to stations and which stations serve the most students?

Map exploration, rings around stations and linked counts and distributions by school types, enrolments and stations

Time and cost:
3 week, 1 dev

Tools:
Vega Lite
Vs Studio

Ideas

Sheet 1 Ethan Watts

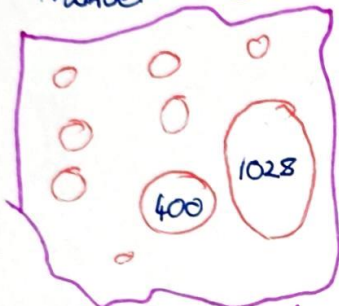
16/09/2025

Number of schools From stations

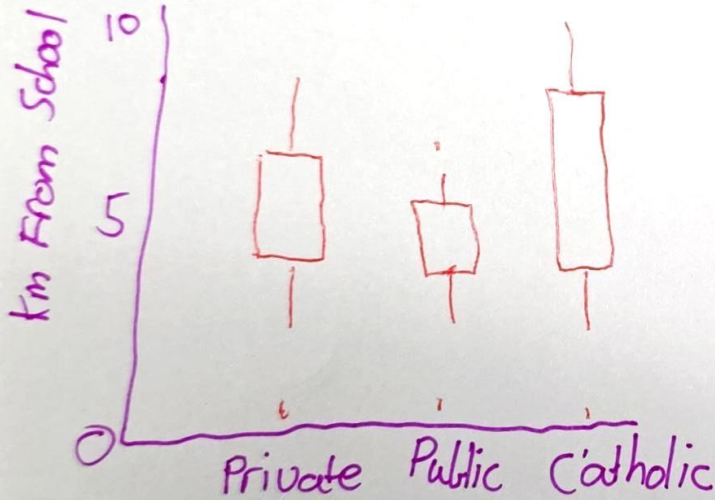
Filter
7km



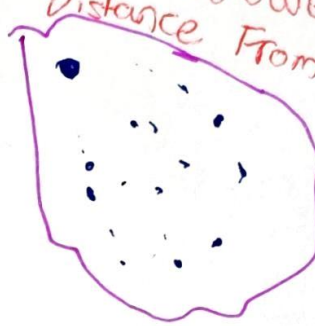
Number of schools NSW



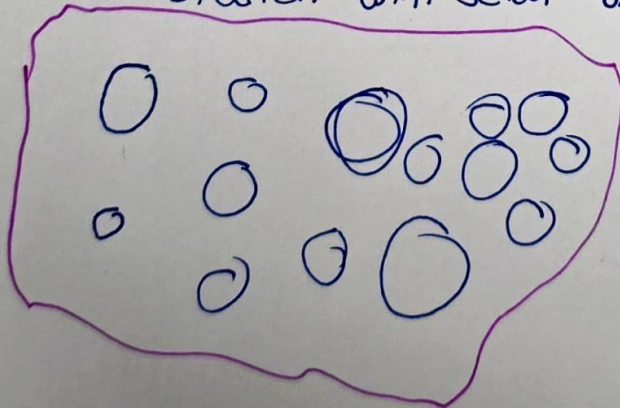
Distance by Type



Schools coloured by
Distance From station



Station with School Prox King



Distance
Filter
2k