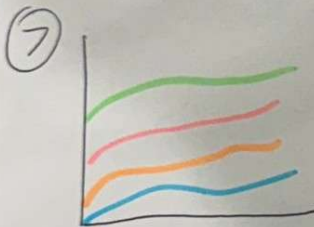
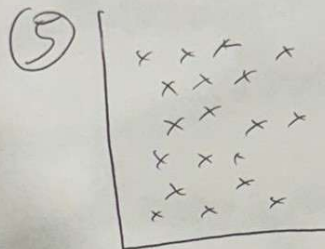
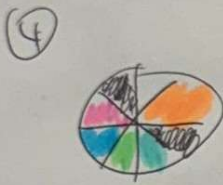
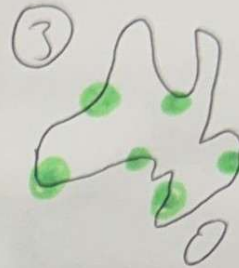
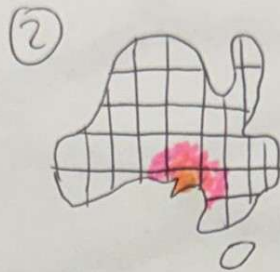
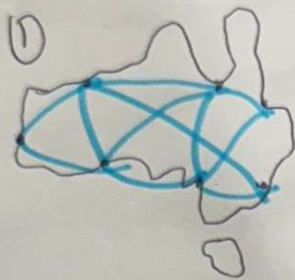
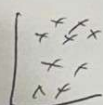


IDEAS



FILTER



Limited suitability for
Temporal and spatial data
- weak geospatial content

CATEGORIZE

6, 7 → Flight capacity
and utilization (Load factor)

QUESTIONS

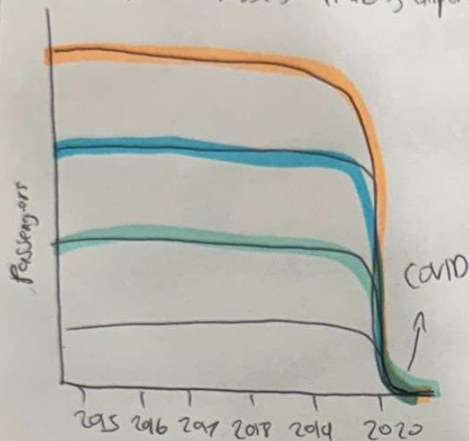
- Which states experienced fastest recovery in passenger volume?
- How did route networks evolve post-pandemic?

COMBINE & REFINE

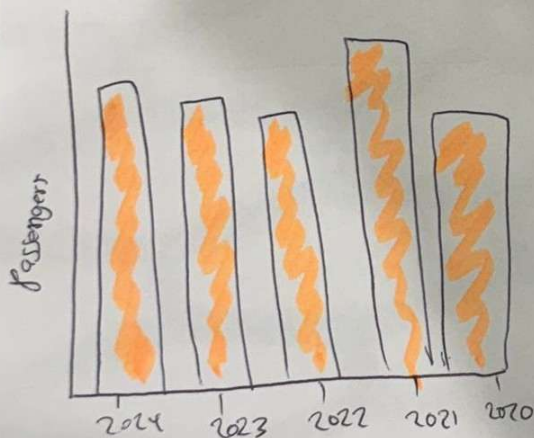
- Spatial, temporal and comparative charts.
- Use map as anchor visual with supporting charts showing key KPIs

LAYOUT

Domestic Passenger Traffic by airport



Total Domestic Passenger Traffic



INFO

Title: FIT 3174 Data Visualisation 2

Name: Kerim Bolat

Date: 14/10/2025

Sheet No: 2

FOCUS

- Highlight 2020 as major decline
- Emphasize difference between demand (passengers) and supply (flights).

OPERATIONS

- None yet → Static prototype
- Annotate significant events such as COVID

DISCUSSIONS

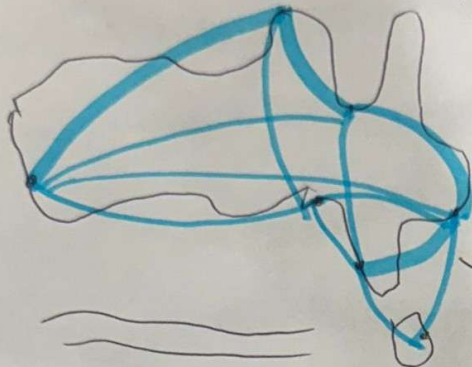
Pros

- Clear narrative of COVID impact
- Simple charts show both national and airport-level trends

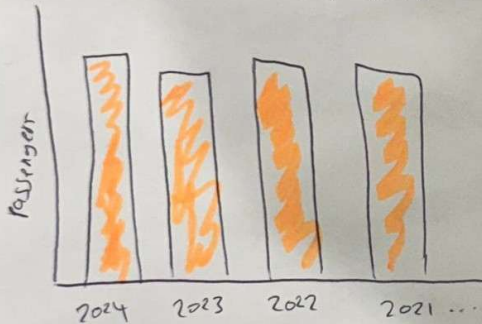
Cons

- No user interaction
- Limited exploration

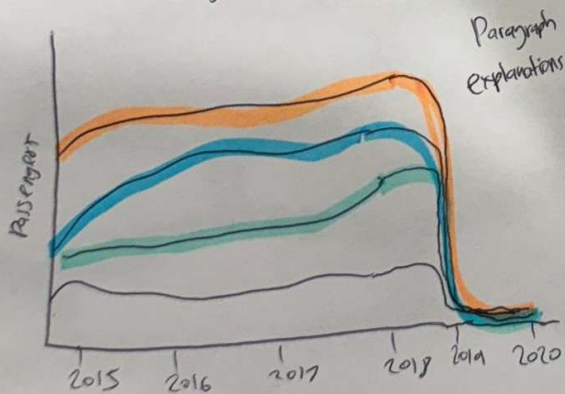
LAYOUT



Total Domestic Passenger Traffic




Passenger Traffic by airport



INFO

Title: FIT3174 Data Visualisation 2
Name: Kerim Bolat
Date: 10/11/2023
Sheet No: 3

FOCUS

 } Different route thickness to represent different passenger totals. More thickness, more total passengers travelled that route.

OPERATIONS

Dropdown filter: Shows all different traffic changer vs 2019
Hover tooltip: Shows KPI's like route, traffic change, Distance

DISCUSSION

Pros

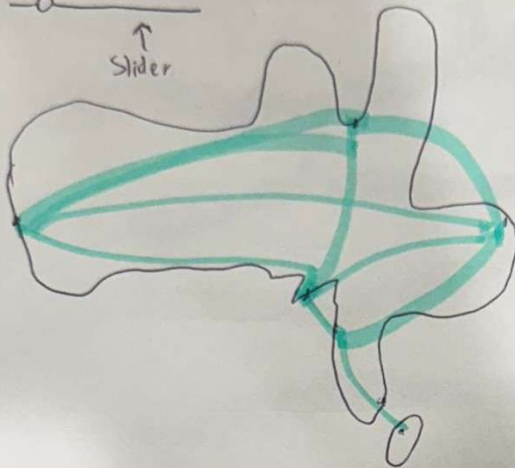
- Shows clear KPIs
- Add geographic content
- Enhance explanation with hover and filtering

Cons

- Colour interpretation may need refinement
- Dense visuals may be overwhelming

LAYOUT

Minimum Passengers
Slider



Traffic Change vs 2019
All V

INFO

Title: FIT3179 Data Visualization 2

Name: Kerim Bolat

Date: 19/10/2025

Sheet No: 4

FOCUS

- Explore airline supply-demand adjustment
- Show how ~~seat~~ seat utilisation recovered slower than traffic

OPERATIONS

- Hover tooltip → ASK and Load Factor ~~value~~ values
- Filter → Select airport or region
- Highlight toggle → Used vs Unused capacity

DISCUSSION

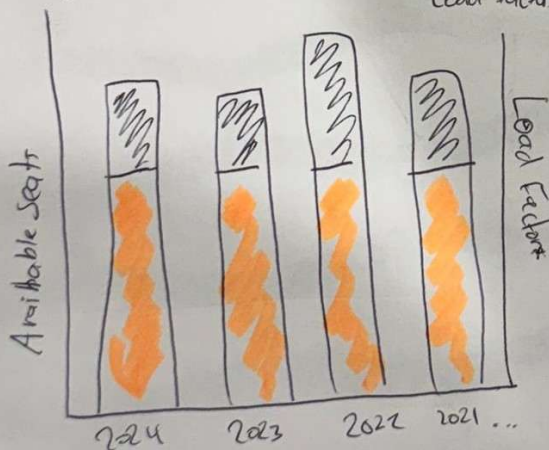
Pros

- Captures both demand and utilisation dimension
- Explains operational efficiency post-COVID

Cons

- Dual axis might be confusing

Domestic Flight Capacity Utilization and Load Factors



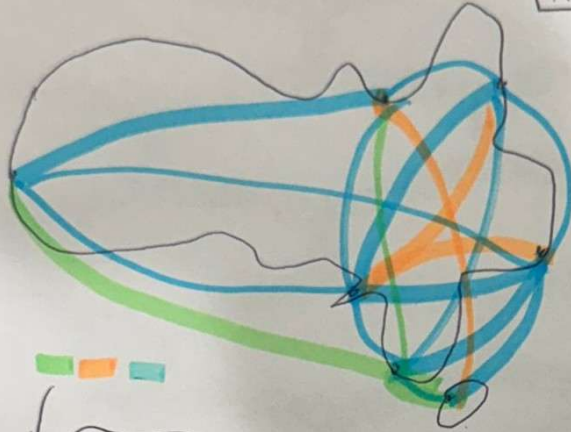
LAYOUT

Minimum Passengers

0

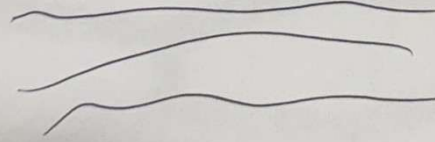
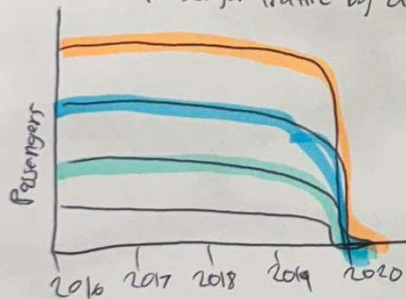
Traffic Change vs 2019

All V



Legend

Passenger Traffic by airport



Load Factor

2024 2023 2022 2021 ...

INFO

Title: FIT3179 Data Visualization 2

Name: Kerim Bolat

Date: 19/10/2025

Sheet No: 5

FOCUS

- Demonstrates Australia's trajectory recovery of aviation
- Shows demand-supply interaction
- Compare route, capacity, regional differences

OPERATIONS

- Dropdown Filter
- Slider
- Hover tooltip
- Map highlighter
- Responsive Layout

DISCUSSION

Pros

- Integration of all analytical layers
- Strong visual hierarchy
- Interactive elements
- Text commentary

Cons

- High information density can be overwhelming
- Dependent on accurate data alignment