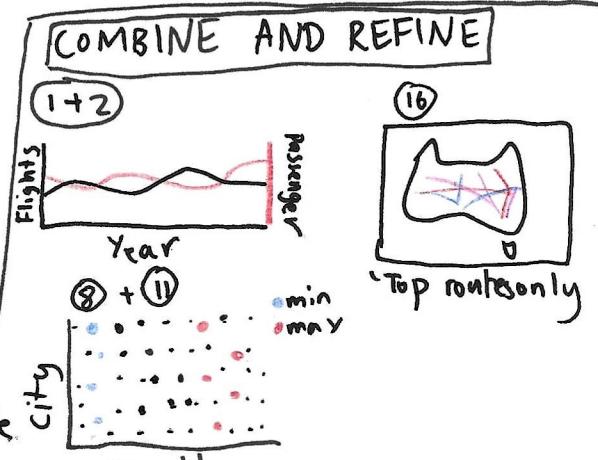
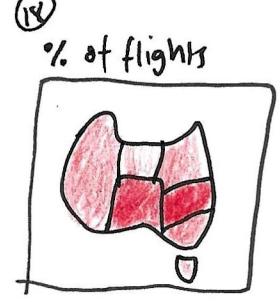
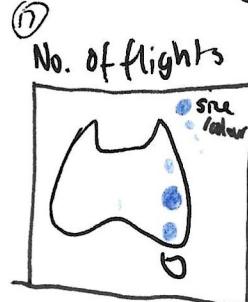
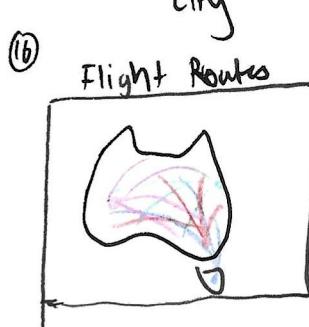
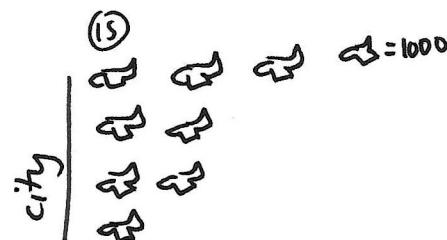
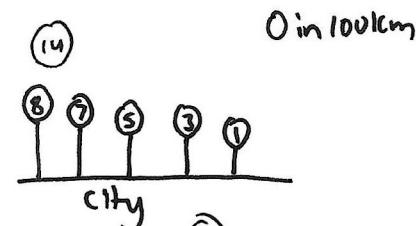
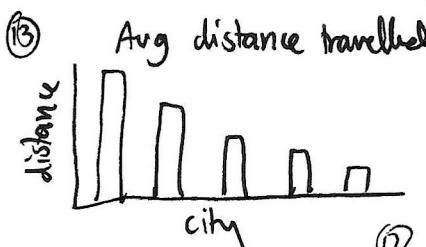
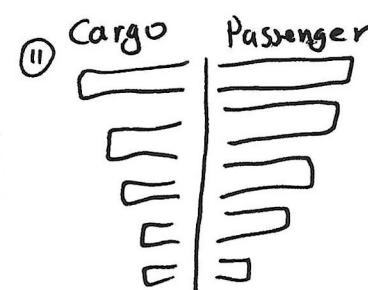
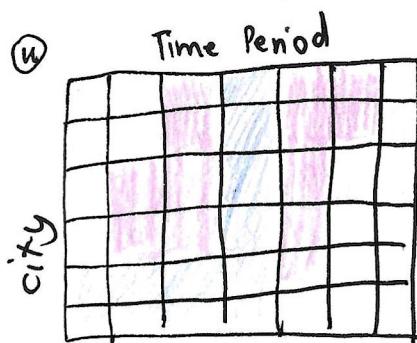
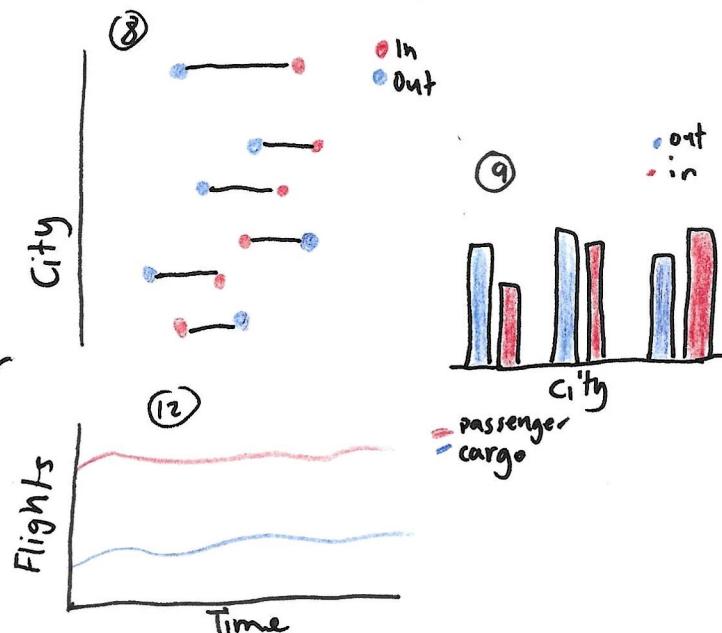
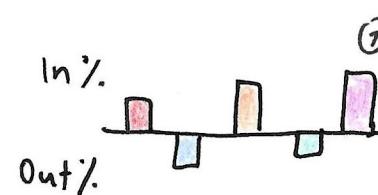
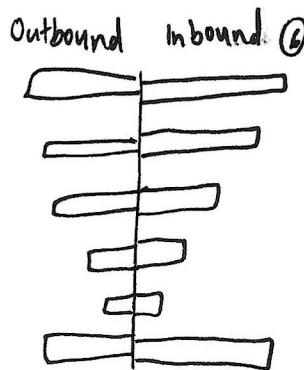
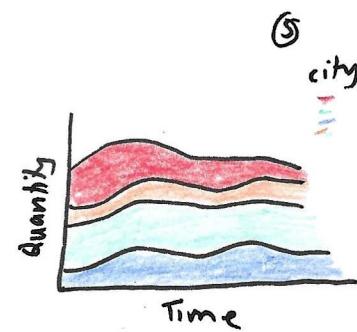
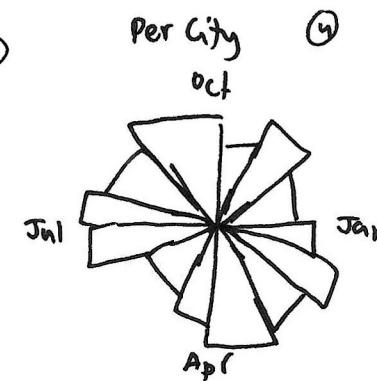
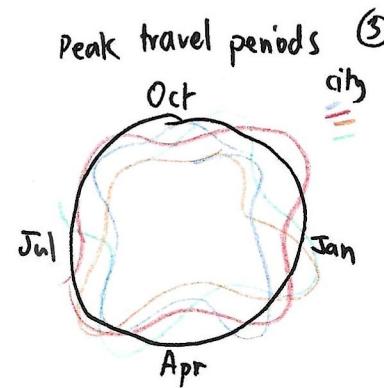
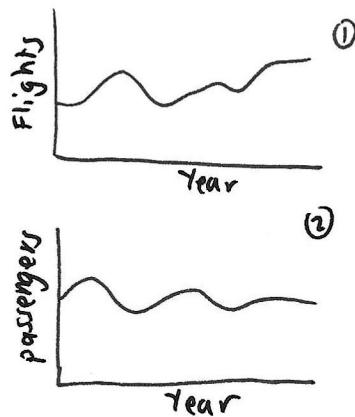


IDEAS



FILTER

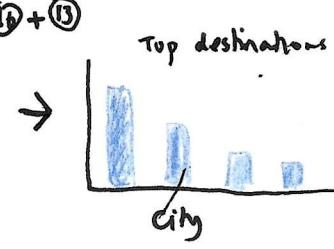
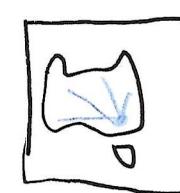
- ⑬ & ⑭ are similar
- ① ② ③ all can show same attribute
- ③ and ⑨ for peak time periods

CATEGORISE

Topics → Main cities vs rest of country
 Passenger vs cargo
 In vs out
 passenger vs flight count

QUESTIONS

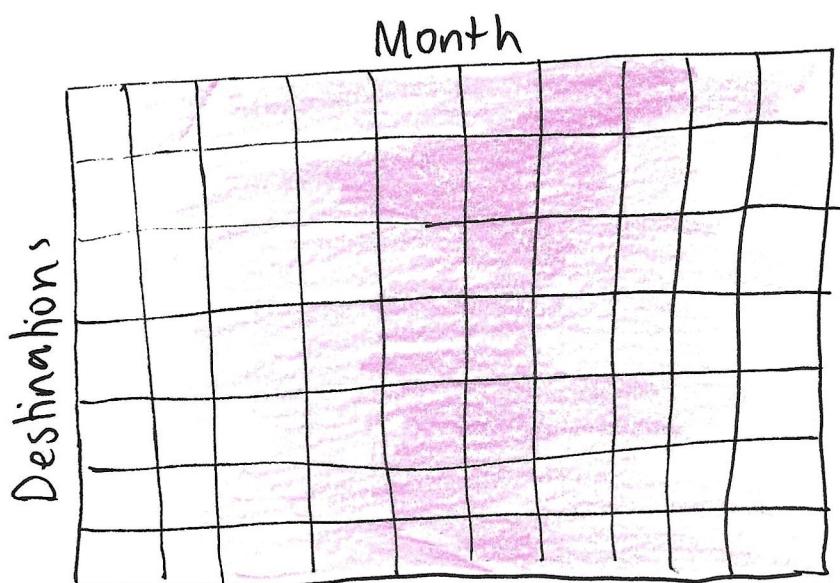
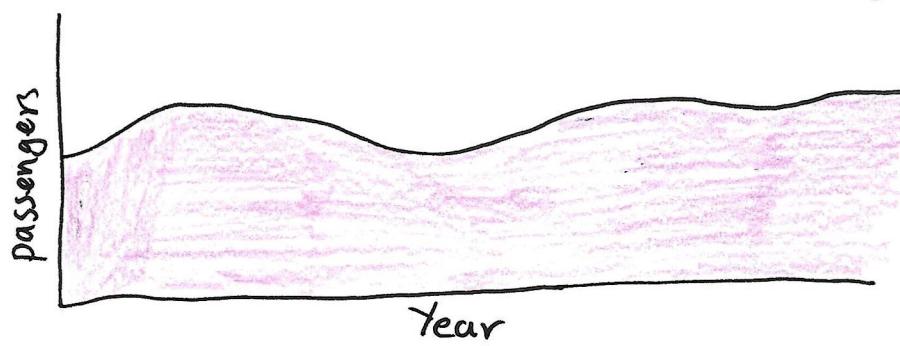
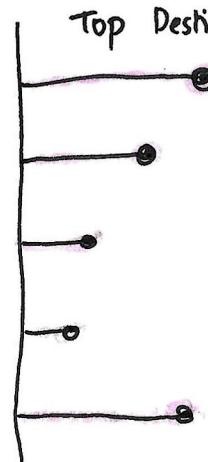
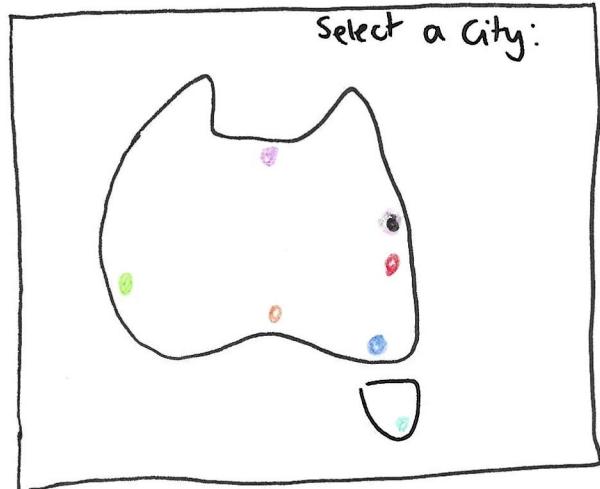
- Where are people going?
- When do people travel?
- What are the most common flight routes?



LAYOUT

Domestic Flights for Capital Cities

Year: -0-



Title Card

- | Title: Domestic flights for capital cities
- | Author: Aakansha Yoddha
- | Date: 15/09/2024
- | Sheet: 2
- | Task: Show trends for capital cities

Focus

- | only shows data for selected cities
- | combines for heatmap & lollipop but stacked area for multiple selections
- | Time filter to limit data used and focus on periods

Operations

- | Time slider
- | Interactive map to choose cities to show on charts

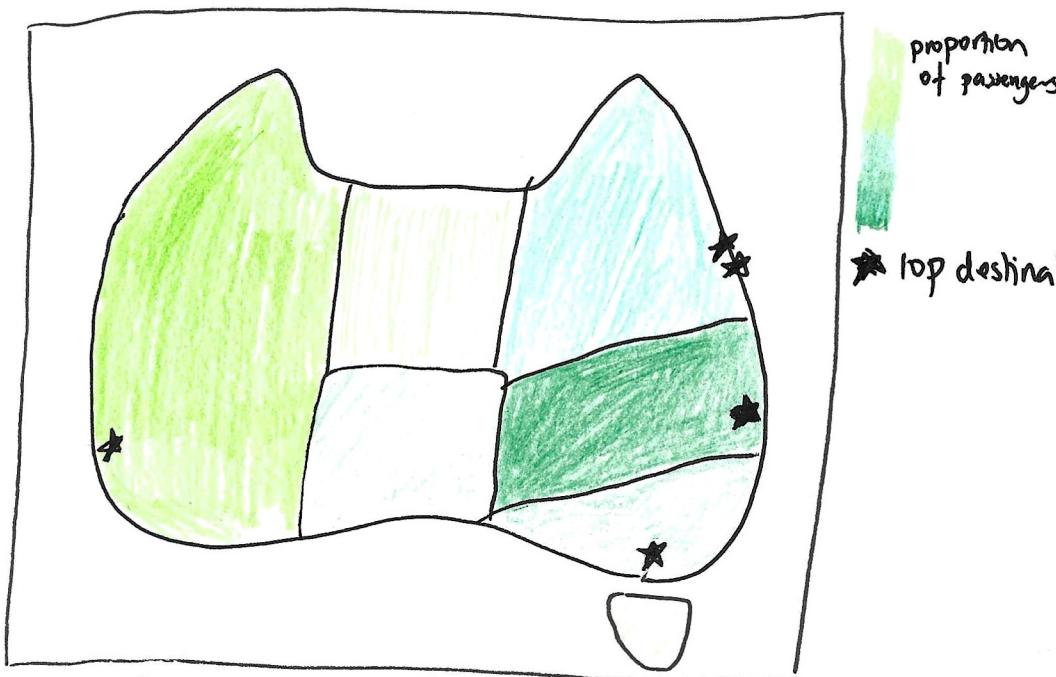
Discussion

- + puts focus on flight info for chosen cities
- . limits data shown through filters
- . Allows for comparison & highlights trends
- Does not give a full overview
- Difficult to annotate/provide detail as data is constantly changing

LAYOUT

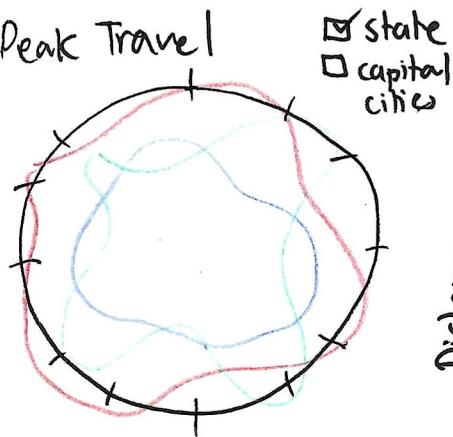
Passengers on Domestic Flights

Year Range: [2014] — [2024]

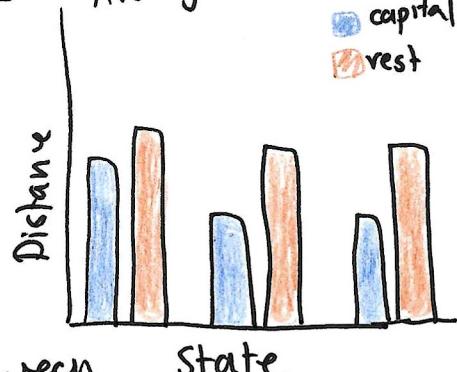


Most flights are in NSW with the least in TAS.

Peak Travel



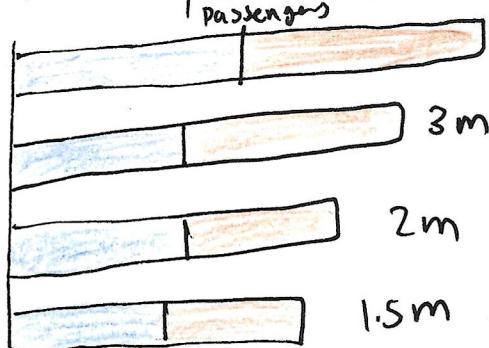
Average Distance



Most people travel between Jan - Feb

Most Popular Flight Routes

Routes



Title Card

| Title: Passengers on Domestic Flights
| Author: Aakansha Yoddha

| Date: 15/09/2024

| Task: Show travel habits of passengers nationwide

| Sheet: 3

Focus

- Highlights where and when people travel
- Gives information based on where the passengers are

Operations

- Time filter for data (lower & upper range)
- Tick box to choose what data to see for the radar chart

Discussion

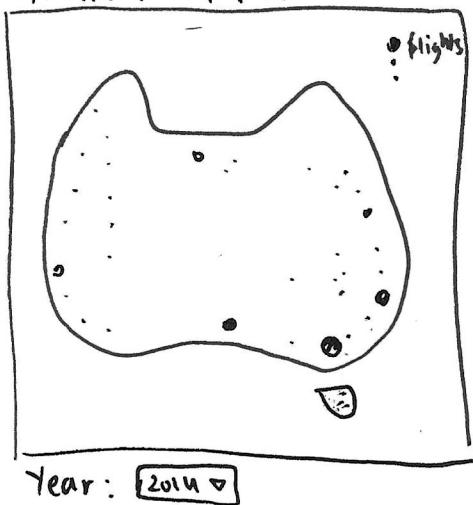
- + Provides an overview on all aspects of passenger travel
- + allows for text to explain trends

- limited options for filtering
- can only ever see all data for all locations

LAYOUT

Trends in Domestic Travel

Number of flights

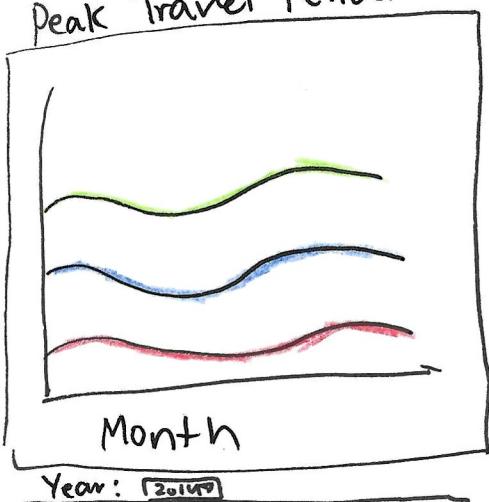


Top Destinations



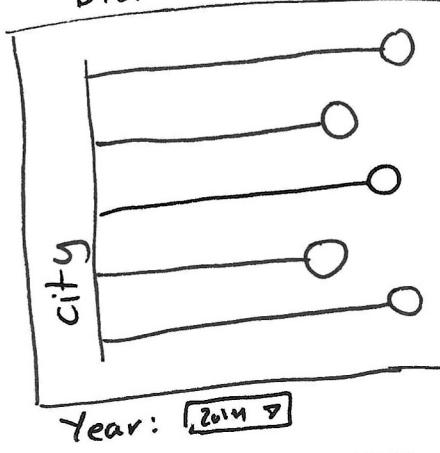
Textbox

Peak Travel Period



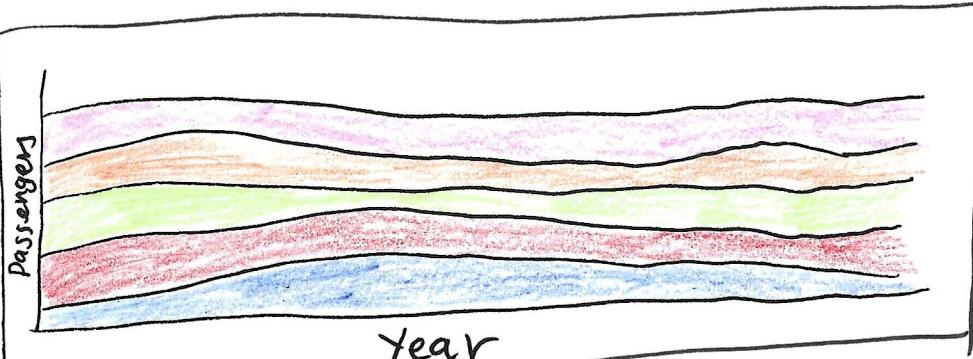
Textbox

Distance by city



Textbox

Textbox



Textbox

Title Card

| Title: Trends in domestic travel

| Author: Aakansha Yoddha

| Date: 15/09/2024

| Task: highlight trends over

| time & per city

| Sheet: 4

Focus

| Mostly time-based to showcase trends

| Explain data shown by each chart

Operations

| Year filtering for each chart via drop down
↳ only one year at a time

| Legend filtering to focus on specific cities or characteristics

Discussion

| Highlights important aspects of the data

| Gives explanation to data
↳ good for all audiences

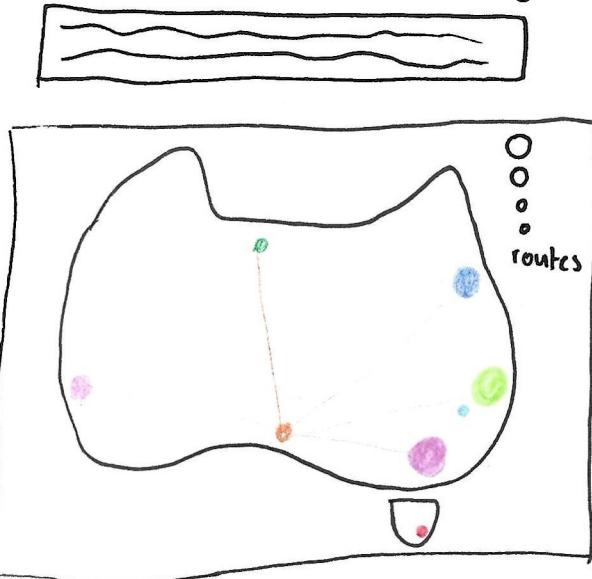
| - May have too much information with text and chart
↳ annotations better

| - Can't focus on a specific attribute to analyze trends

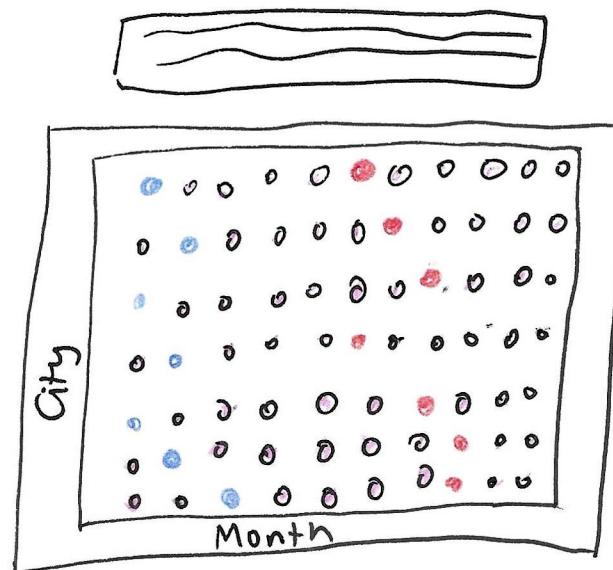
LAYOUT

Domestic Travel for Capital Cities 2014 - 2024

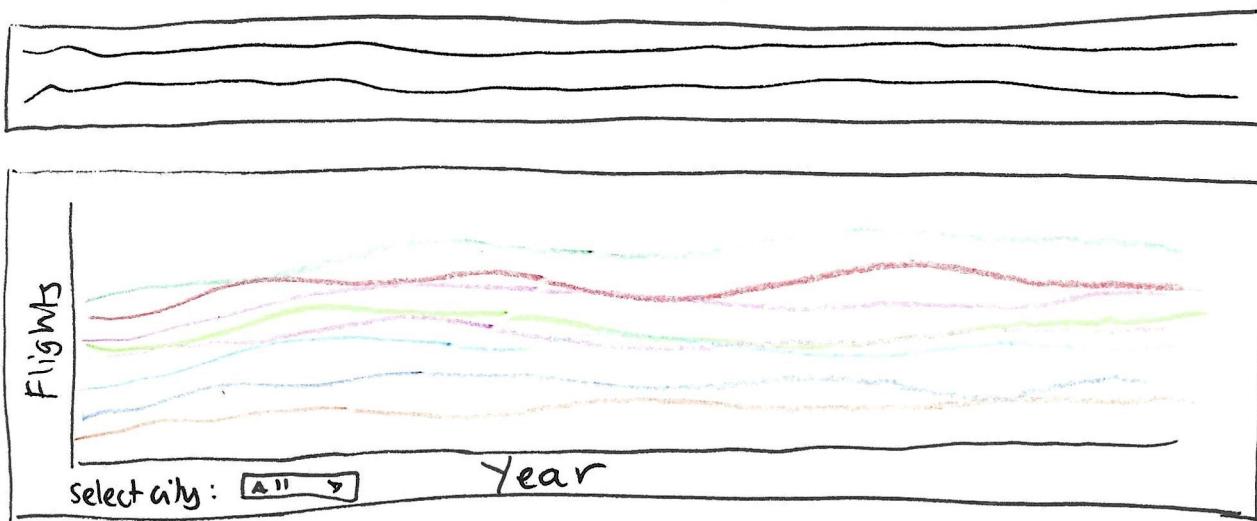
Flight Routes for each city



Peak travel for each city



Total Domestic Flights for each city



Title Card
Title: Final Design
Sheet
Author: Aakansha
Yoddha
Date: 15/09/2024
Sheet: 5
Task: Refine visualisation

Focus
• Focus on capital cities only
• Shows the where, when and how (connections)
• Aligned in grid-like layout

Operations
• Click city on map to show routes
• Select city on line chart to view less data

Detail
• Filter data to 10 year range
• Add Lat, Long & State
• Use Vega-Lite for charts, pure CSS for layout, HTML for embedding & Excel for cleaning data
• Ensure colours are distinct
• Time required: approx 1 month