1. IDEAS

Lollipop chart

- Where people going
  Or
- Domestic airline

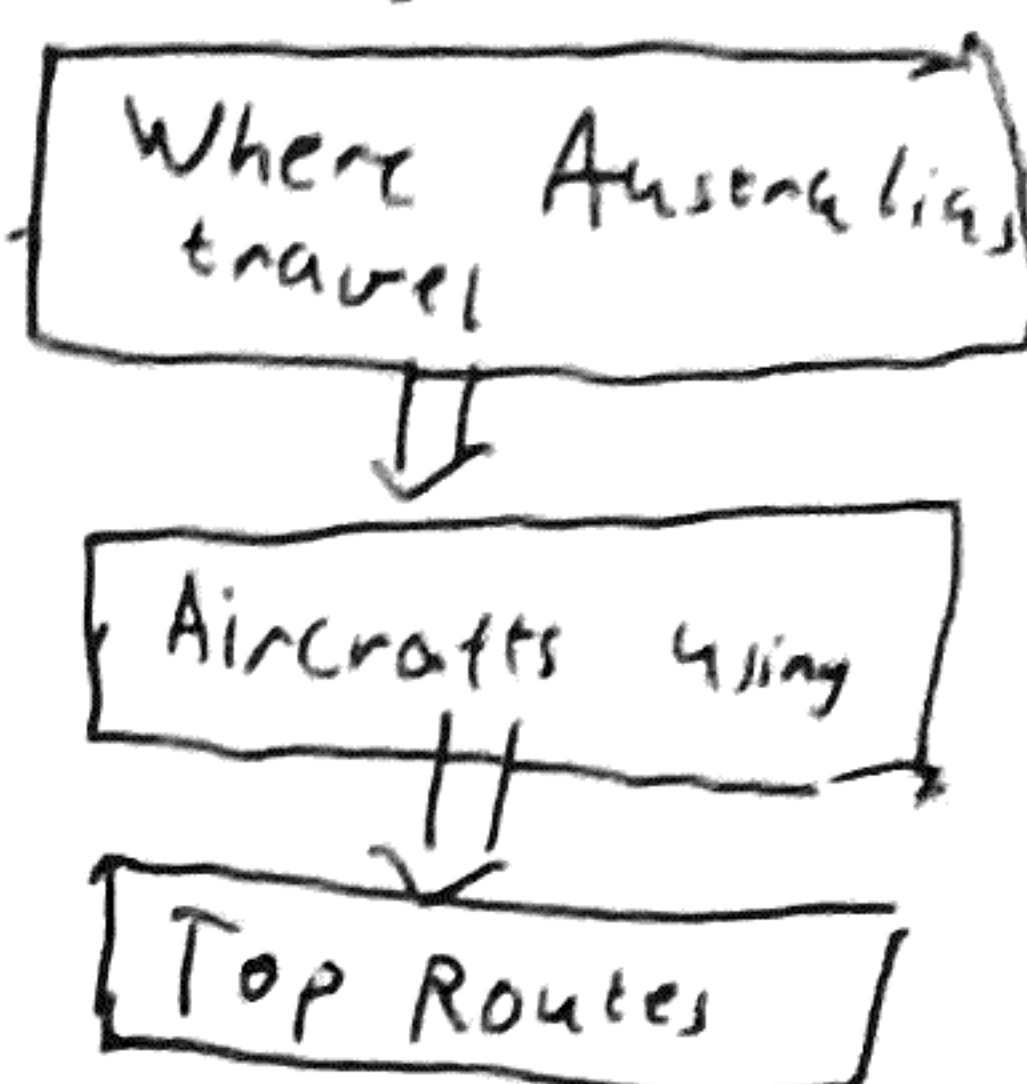Comparison area graph

Boeing

Airbus

Line chart
Passengers

chloromoth map

Flow map

Capital airline

Jetstar | Quantas

Virgin

heakmap of noise

2. Filter

- Area is better than pie graph

[bar graph] vs [pie graph]
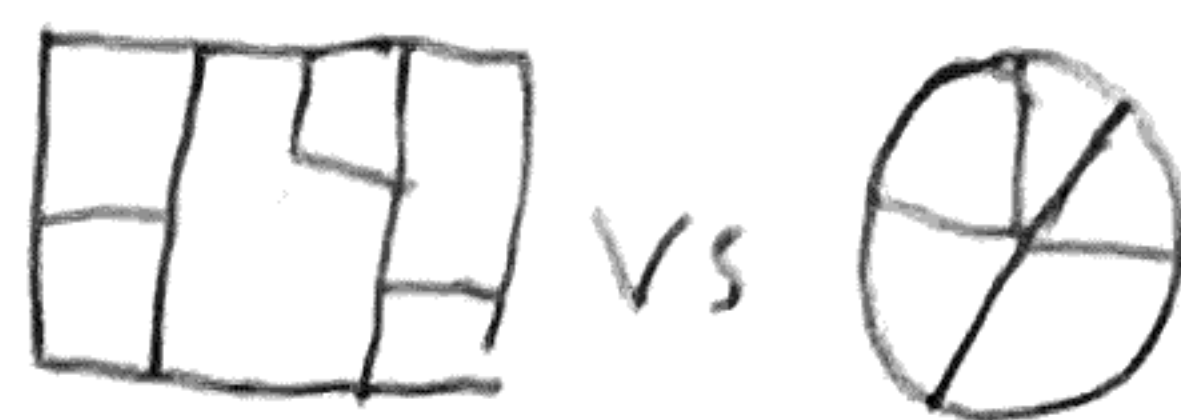
- use bar graph instead of area graph

3. Categorize

Where Australias travel

Aircrafts using

Top Routes

4. Combine ♩ ♪ and Refine

Image

usage of plane

$

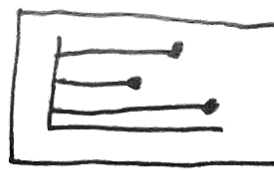Cost of tickets

Drop Down →
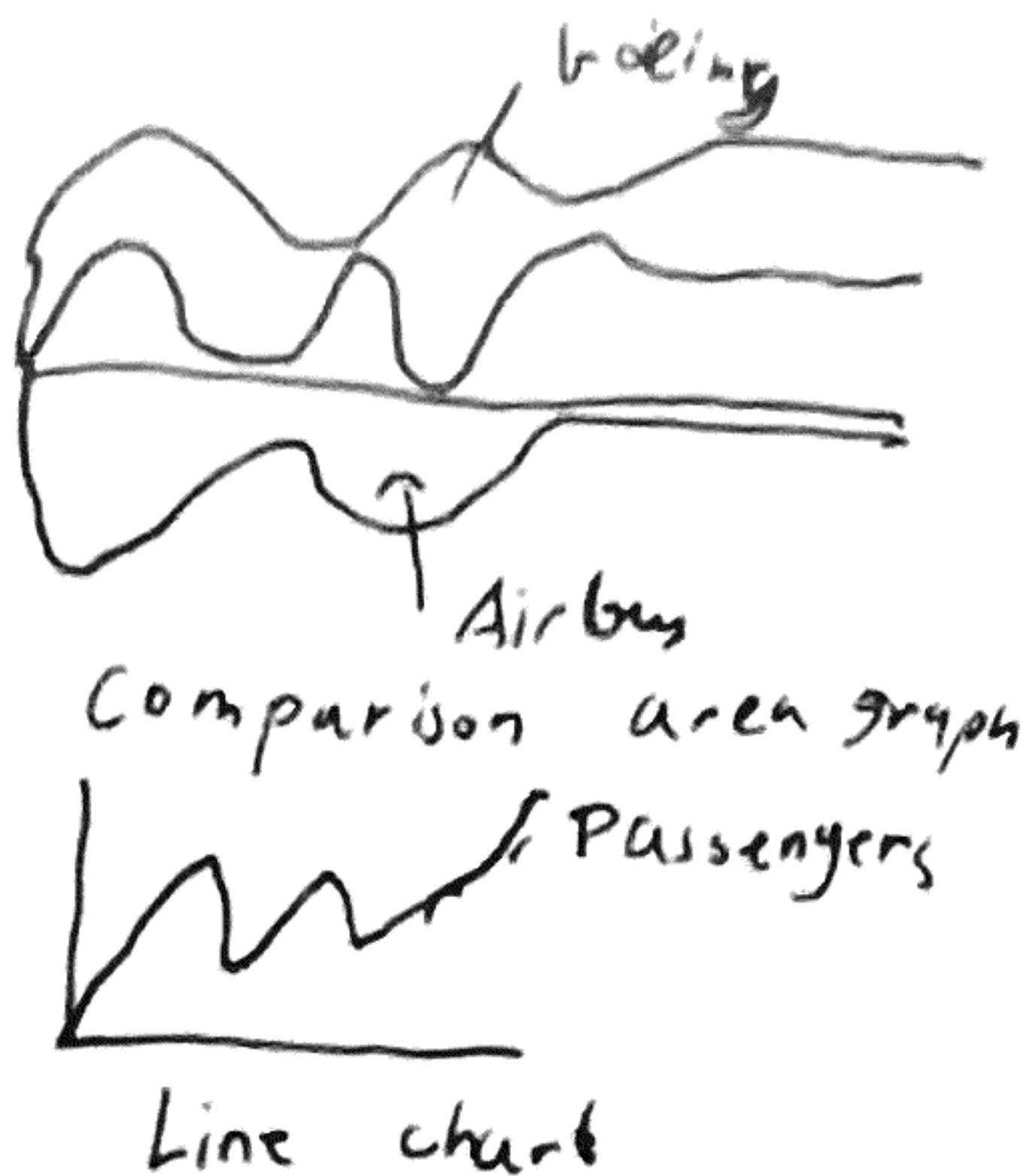
routes based on airline
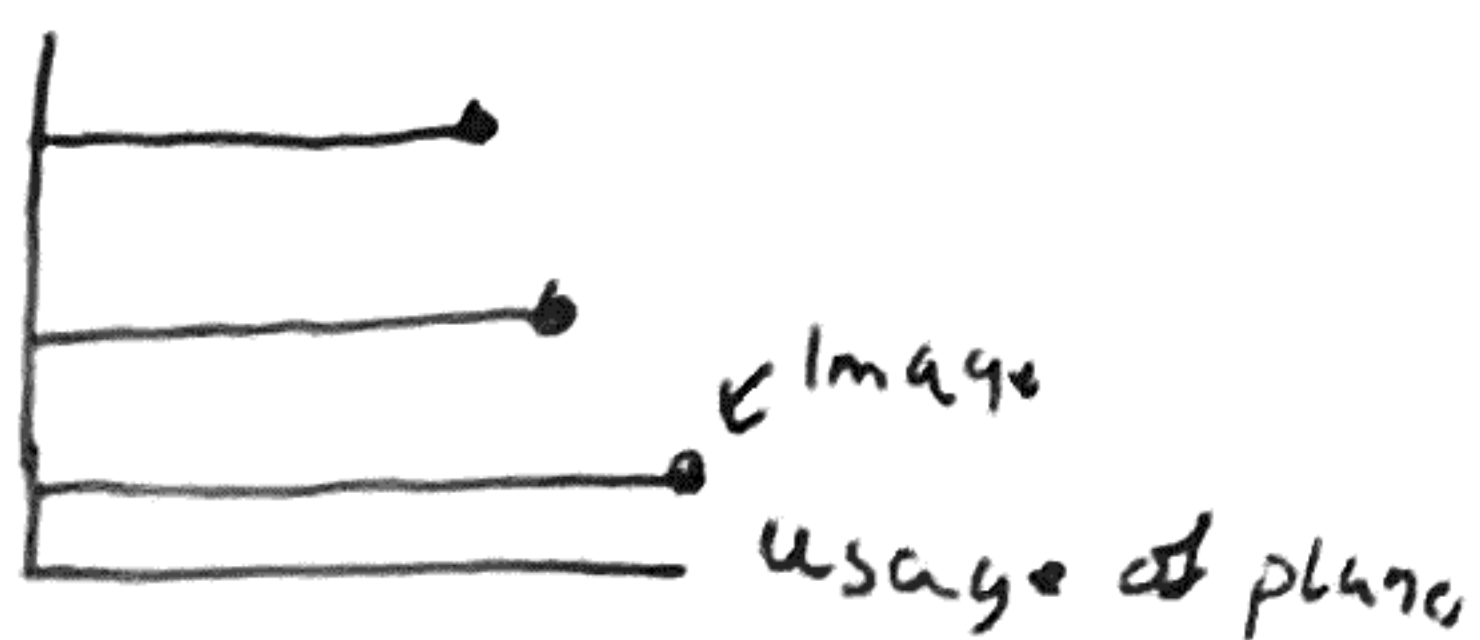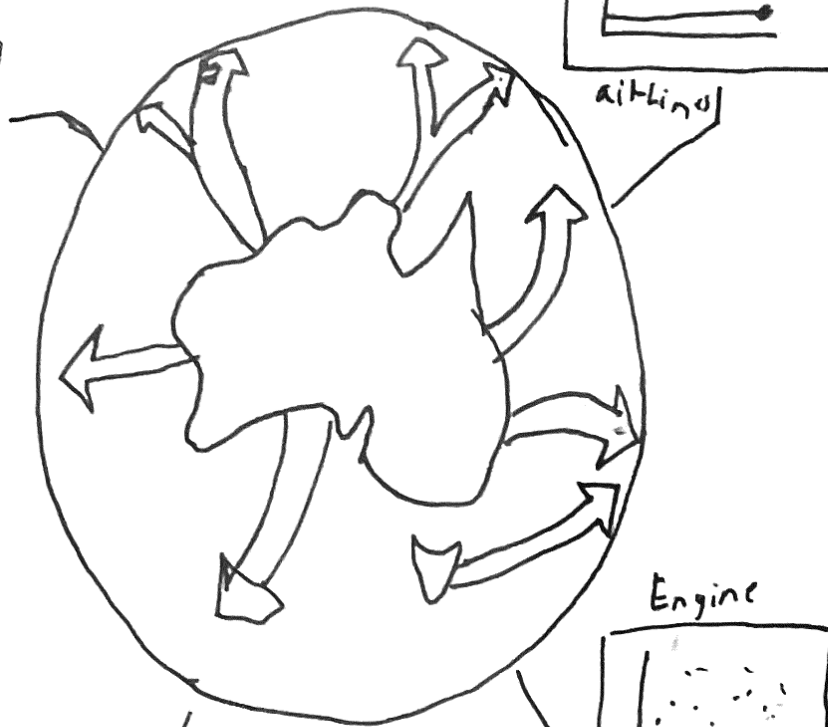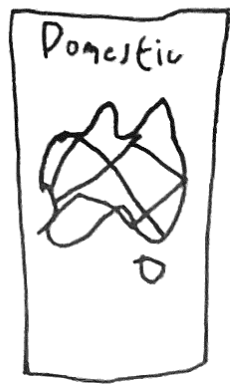
- noise routes
  * heatmap
  ＊ heat over routes to show noise affect
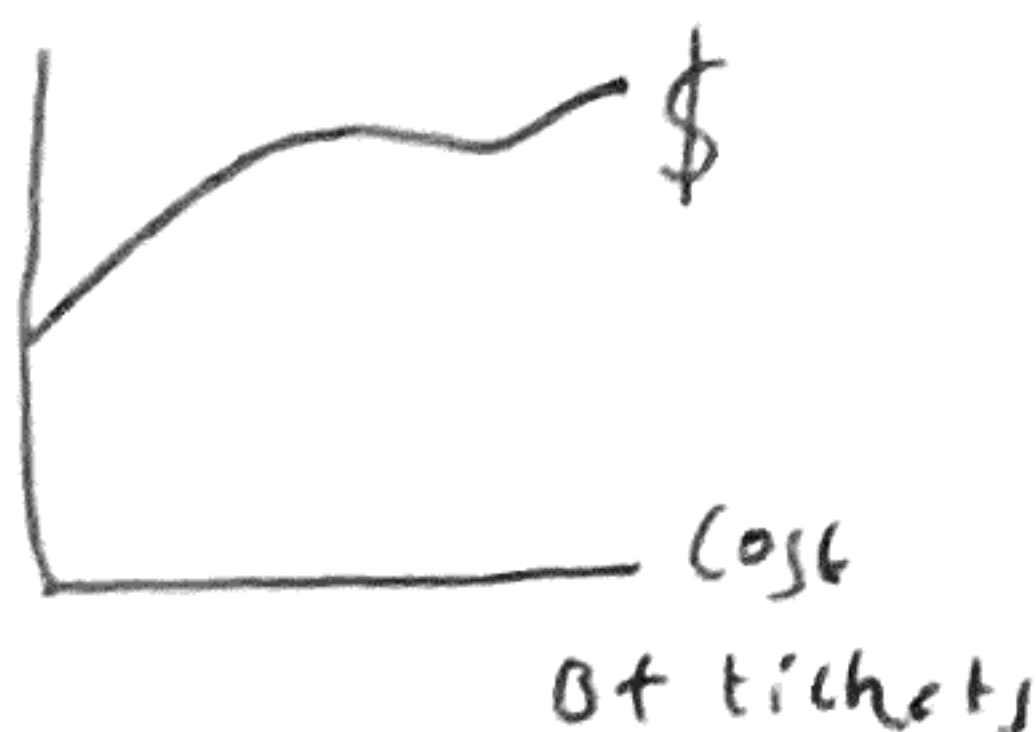
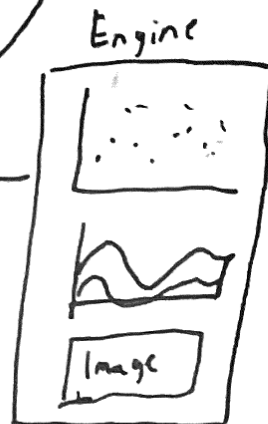# 5. Question

- Do Australian travel over the years

- How harful are modern aircraff

Layout

Domestic

airlind

Engine

Image

City capital

Operation:
- Dropdown to select year/airlines
- Hover tooltips for airport stats
- Zoom and pun

Focus

- Strong emphasis on where aviation Activity happens
- Spatial storytelling
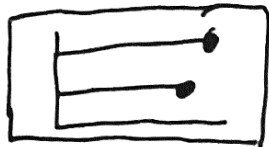 * hubs
  * flows
  * hotspots

Disussion
Pros:

- Clear geographic Content
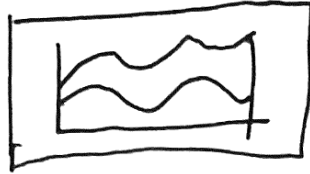- Intuitive to read
- Visually striking

Cons:

- Risk Viual clutter
- Harder to compar trend over time

Layout

.. airline
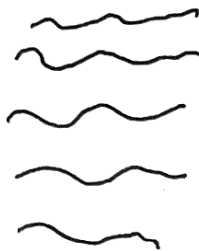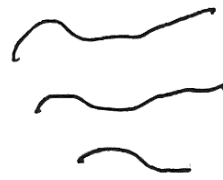
Engine

Fuel emisiroin

Domestic

. Routes

International

Author: Marc Cordeiro
Date: 5/10/2025
Sheet; 3
Student ID: 3389 1710

Operations:

- Interactive slider across all charts

- Clicking on graph expands it

- Tool tips showing exact number

Focus:

- emphasis on when things happen
  * changes in traffic
  * airline competition
  * emission

Discussion

Pro:

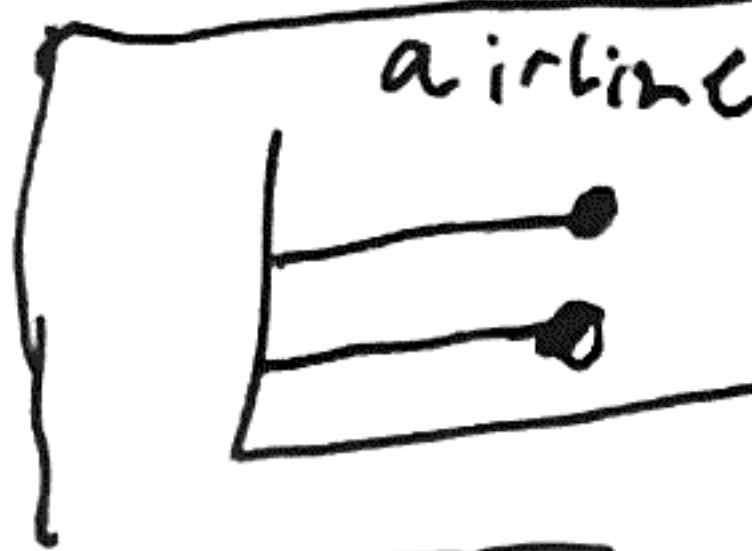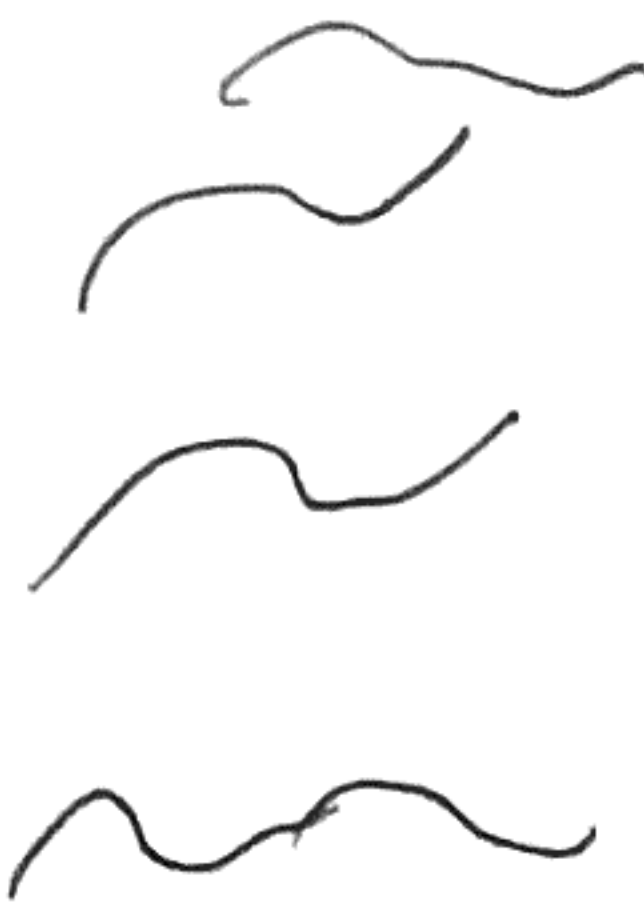- Excellent for showing evolution

- Easy to explain

- charts are compact

Cons:

- minimal geographic

- redundancy

Layout

Author: Marc Cordris
Date: 5/10/2025
Sheet: 4
Student ID: 3389171b

Noise

Emissions

Engine

airline

Capital City

Focus:
- Spotlight on impact
- how aviation affects communities

Operations:
- Hover over airports to reveal
- Filter by aircraft
- Treebox filter

Discussion:
Pros:
- tells a strong sustainability
- Direct link between aircraft

Cons:
- Less engaging
- Could be too much text

Layout

Based off sheet 2

Impact of airport

Touylis

airline

City capital

Engine

0%

Operation:

- Global filters for year range
- Expand graphs
- Hover tooltip for details
- Clicking airport will highlight common data

Discussion:

- Layout starts with spatial context
- text explores and connect ideas
- Engine part explores Emissions
- Domestic part explores domestic travel
- Provides comprehensible story

Focus:

- Balance between geography and categories
- Connects airport traffic with sustainability impacts