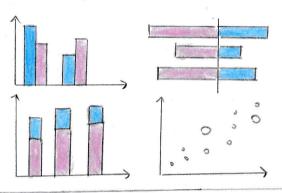
Ideas

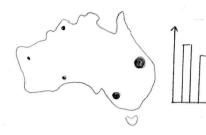
Distribution of airports



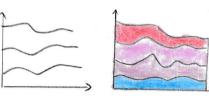
Passenger Traffic
Domestic vs International



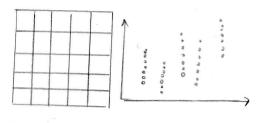
Airport Scores



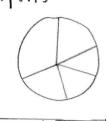
Trend of cargo movements

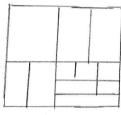


Aircraft movements



International Airlines in Australia Airports





Filter

Passenger Trattic Should use stacked bar or butterfly chart tor better companison



Treemaps will not be suitable tor airlines as it will be to difficult to read large number of words.

Categorize

maps = Distribution of airports
Airport scores

Airport business >> Passenger Trattic

> cargo movements

compare Time period > Aircraft movements
others > International airlines

Combine & Refine

Distribution of airports and airport scores can be combined to be presented in one map.

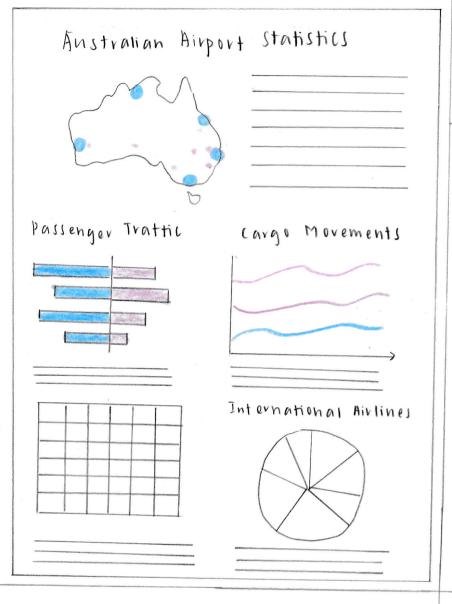
size represents airport scores



airport locations

Questions

- intermation and insights to reader?
- complicated graph such as sankey diagram for airline routes?



Title: Anstralian Airport Statistics

Author: Chang Ti Dian

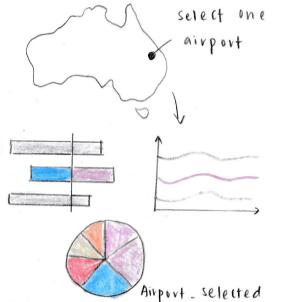
Pate: 23/9/2024

Sheet : 2

Task : Design Sheet 2

Operations

1) Click on the map to filter the airport names in the whole page.



Focus

- 1) Main to cus is to filter the page from the map.
 - 2) All the graphs are of same size to make the layout even
- passenger traffic & international airlines as a seperate filter.

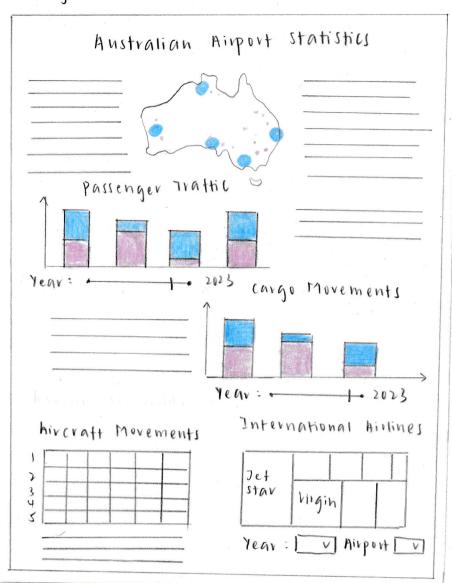
 use dropdown is sider filters

2020 V 0R - 1020

Discussion

P 101 :

- n more interactive tilter tor airport names for better visualization of the airport selected
- (ons:
- 1) The layout would be a bit boring, no creativity
- 2) Not sure it all the datasets are able to be combined



Title: Australian Airport statistics

Author: Chang Yi Dian

Date: 23/9/2024

Sheet: 3

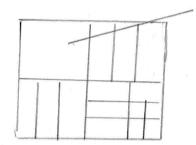
Task: Design Sheet 3

Operations

1) The year filters are individually placed below each chart with either sliders or dropdown menn

2) The tooltip nill show more intermation

10 2023

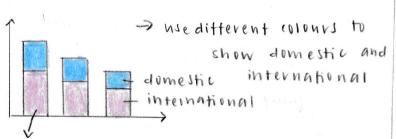


Jetstav 1st in Anstralian Domestic Flight

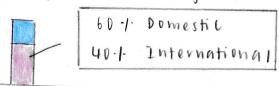
2023 V

Focus

.) Foins on the stacked bar chart



Tooltip show percentage differences. eg.



2) The treemap need to be filtered based on Top 10 | Top 5 airlines or it will be difficult to read

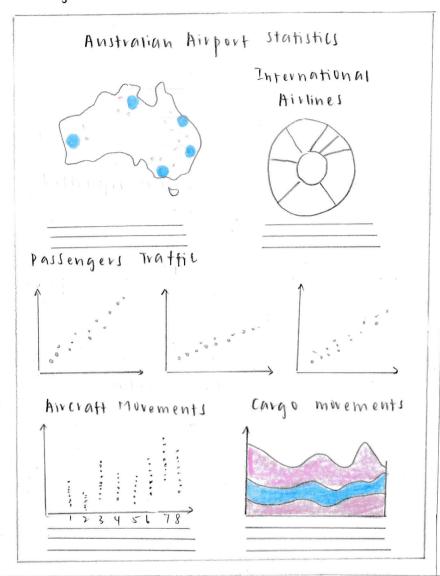
Discussion

Pros:

- information
- 2) Seperate filters are more clear and easier to view values

Cons:

- 1) Might be not symmetrical or not neat enough
- 2) The wordings might diverse attention trom the graphs



Title: Anstralian Aiport Statistics

Anthor: Chang Yi Rian

pare : >3/9/2024

sheet - 4

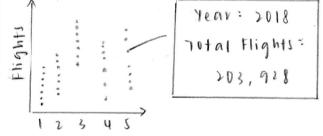
Task: Design sheet 4

Operations

1) Filtening airport names tor the scatter plot



2) Hover over the dot plot to see the exact year number



Focus

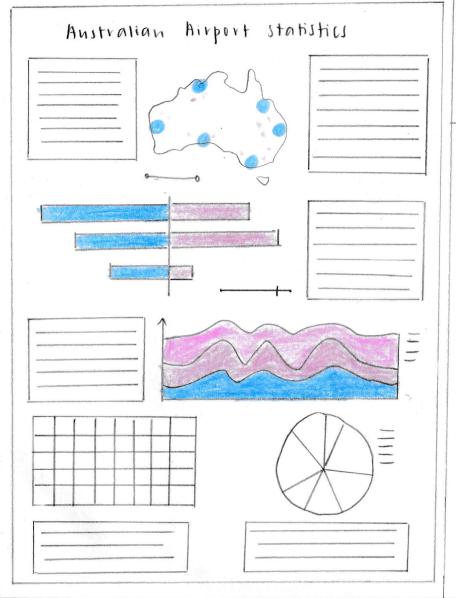
- r) Fochs on the Small Multiples scatter plots
 - -> Implement titers to complave different nipports better
 - -> Do 3-5 multiples with alternative years to show obvious comparisons
- explaination Detstar Brisbane
- 3) Include summanes and observations two graphs

Discussions

pros -

- better snow comparisons tor
- 2) wordings below charts are all consistent and neat cons:
- 1) Too many graphs in the layout will read to contusion
- 7) The layout is 2-3-2, which is not that symmetrical

Layout



Title: Australian Airport Statistics

Anthor : Chang Yi Qian

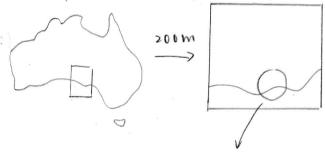
Date = 23/9/2024

sheet : 5

Task: Design Final Sheet

Operations

- 1) Apply Year tilters to the butterfly chart to analyse Yearly statistics
- >) Apply zoom filters to map



Hover over to see airport hame, region and score

FOLHS

- 1) Focus on story-telling, link all the charts together
- 2) Align the text boxes and charts
- 3) Use same colony theme in all graphs
- 4) The international airlines should be filter into 5-10 airlines to be displayed
- 5) The stacked area chart should be expand nider for cleaver visualisation
- between different scores

Details

- 1) Some Data have too many columns and NA values needed to be removed
- 2) Estimated time and eftort
 - -> 2-3 days for finding dataset, clean and combine data
- -> 3-4 days for building idioms
- > 2-3 days editing tooltips, annotations, design and layout