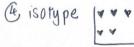
IDEAS



- show Malaysia's airport& helipad



- show airports in world & scatterplot / bubble plot



> shews relationship between quantitative values

2 flow map



- show flight routes from KUL - KLIA.

- shows connectivity

- Mrws domestic

connectivity between

Malaysia Airports.

(heatmap



shows trend & correlation

3 stacked bar chart

kinternational passenger volumes.



> compare monthly domestic

8 (1) Radar Chap

SFILTER 3



- Use Radar Charp for aeothetical purpose.

x scatter plot to no suitable data

000 X isotype loco

> consider as chart Junk, use bar chart instead.



> no suitable deta

COMBINE REFINE 8



3 proportional symbol map

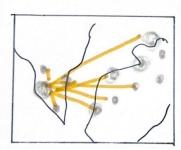
Dot Map + Flow Map

Dot : Airport Flow: Flight Routes.



Radial Chart

> types of airport



Proportional Symbol Map

+ Flow Map

Size: Airport Connectivity Line: Domestic Flight Route.



Heat Map > shows Monthly Malaysia Passenger Traffic Trends



ECATEGORISE

C International Hights > showing airports as

dots in worp map

Malaysia Aulatian > domestic flight routes & connectify

> Malaysia Intertiational Monthly Passenger Traffic

Display - Maps, Radial Chart

Trends - Heat Map.

QUESTIONS & SUMMARY

C which projection is suitable for world map & regional Makysia map?

how to distinguish Malaysia from noighbouring countries?

how to convert passenger amount into monthly rank?

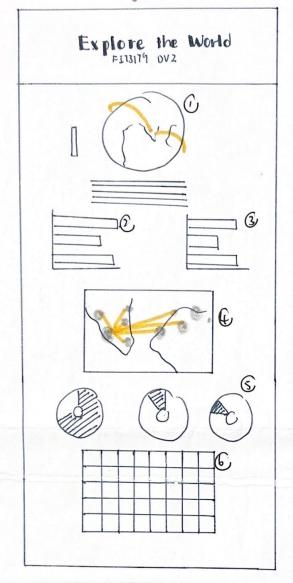
Author: En Xi Liew

Date: 13/9/2014

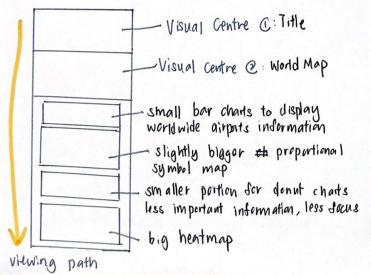
Shoot 1

A2 Data Visualisation

FBIG PICTURE/ LAYOUTE



3 PARTI & FOCUS =



Name: Liew En Xi

sheet

Date: 23/9/2024

Title: Malaysia Aviation

Task: Designing an # interactive data visualisation webpage.

COMPONENTS & OPERATIONS E

C Rotating Globe

rotate globe to discrue
the flight routes & ainports

@ filter T

- manually choose the country (s) in the bar chart
- @ select flight routes by legand.
- > lower cpacity for unselected airpats.

o = click

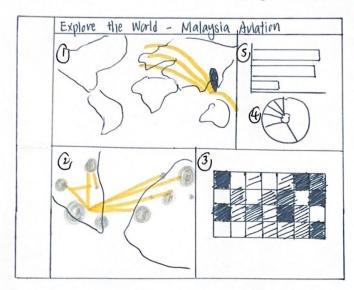
3 PROS & CONS E

Pros a rotating blobe cannot observe overall data at once.

@ title is focused gives reader an immersive expense from reading title.

Cons C separating donut charts is redundant.

BIG PICTURE/LAYOUT =



> PARTI & FOCUS =

subintermation small charts pertion.

title

viewing path

proportional symbol map

heat map.

Name: Liew En Xi

sheet

Date: 23/9/2024

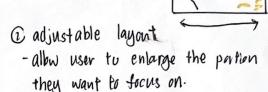
Title: Malaysia Aviation

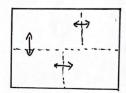
Task: Designing an interactive data visualisation webpage.

3 COMPONENTS / OPERATIONS E

C zoomable map

-zoom & slide along the world map
for better observation.





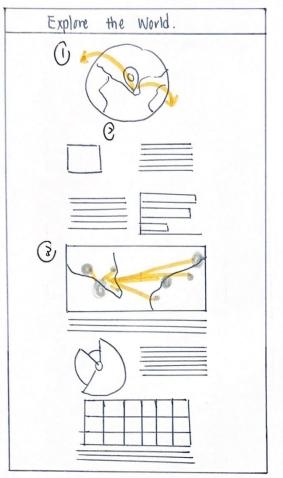
EPROS & CONS E

pros - allow overview for the whole dashboard

cons- very less whitespace, overwhelming.

- distracting
- title is not focused.

BIG PICTURE / LAYOUT E



Name: Liew En Xi

sheet

4

Date: 23/9/2024

Title: Malaysia Aviation

Task: Designing an interactive data visualisation webpage.

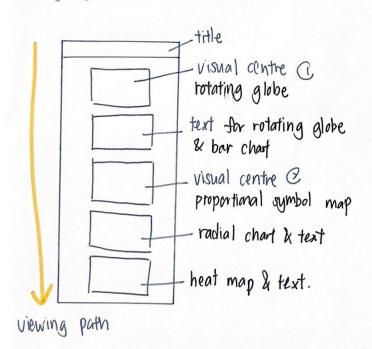
> COMPONENTS OPERATIONS =

O rotating & zoomable map globe



- C change opacity slider gives user access to control
- 3 hover over to see flight routes, hide flight routes if not selected.

SPARTI & FOCUS E

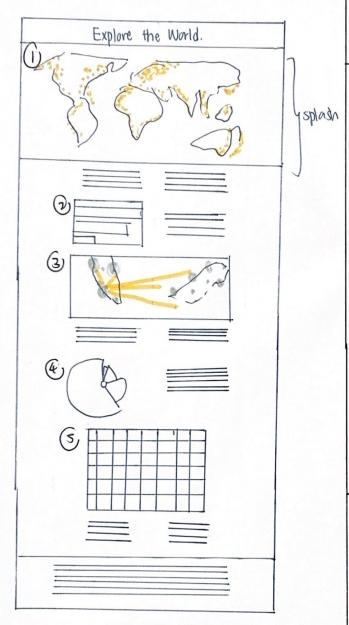


= PROS & CONS =

pros - charls are larger, user can observe information cleaver.

Cons - rotating globe cannot see the overall data in a view.

> BIG PICTURE / LAYOUT =



= PARTI & FOCUS =

(main focus: world dot map. → gives user an immersive view of world wide airports' density.

other charts' size are equally distributed, fixed to let the user view one chart & description at one screen.

Name: En Xi Liew

sheet

Date: 13/9/2024

Title: Malaysia Avlation

Task: Final Design Decision.

= COMPONENTS / OPERATIONS =

C cpacity slider change dot's apacty based on slider.

hover over will change the colour & size of the bar

3, proportional symbol map hover over will show different routes & connectivity.

sploshing container creates interesting splashing effect to enhance user's experience.

3 DETAILS &

time planning

I week > combine & data wrangling, inspects data.

I week -> generate all the possible suitable idians.

I week > Interactive scatures & website dealgn.

dependencies:

R, vega-lite, HTML, CSS, Pure CSS.