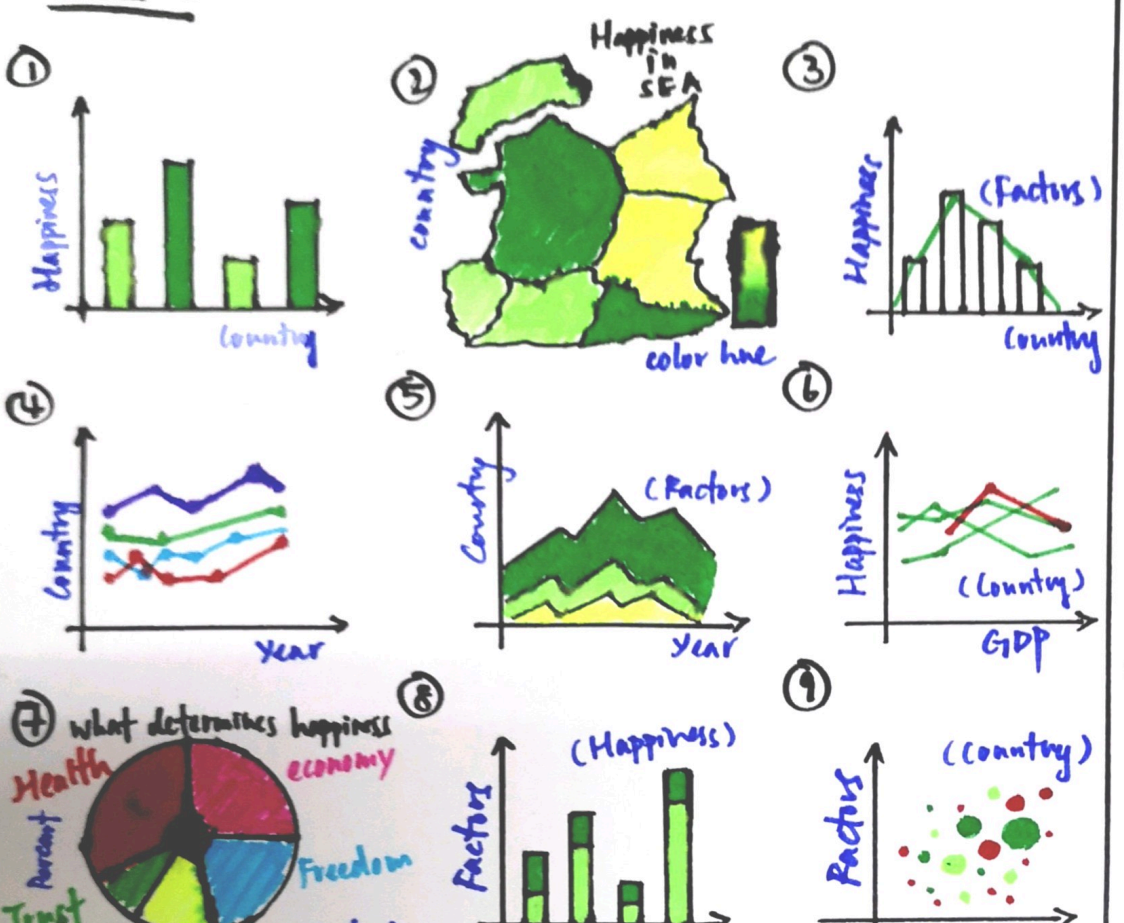
IDEAS



FILTER

CATEGORIZE

- Happiness VS Country — 1, 2, 12
- Happiness VS Life Factors — 7, 9, 11
- Happiness VS Year — 4, 5
- Happiness VS GDP — 6, 10

QUESTION

→ Is showing map necessary for the visualization?

→ Is it better to combine all factors into one graph?

→ Is the economy factor important?

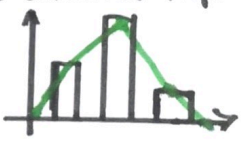
→ what are the Top 10 countries with highest happiness score?

COMBINE & REFINE

→ 1, 2, 12 can be combined into a tree map to deliver the same message. (Refer to 12.)

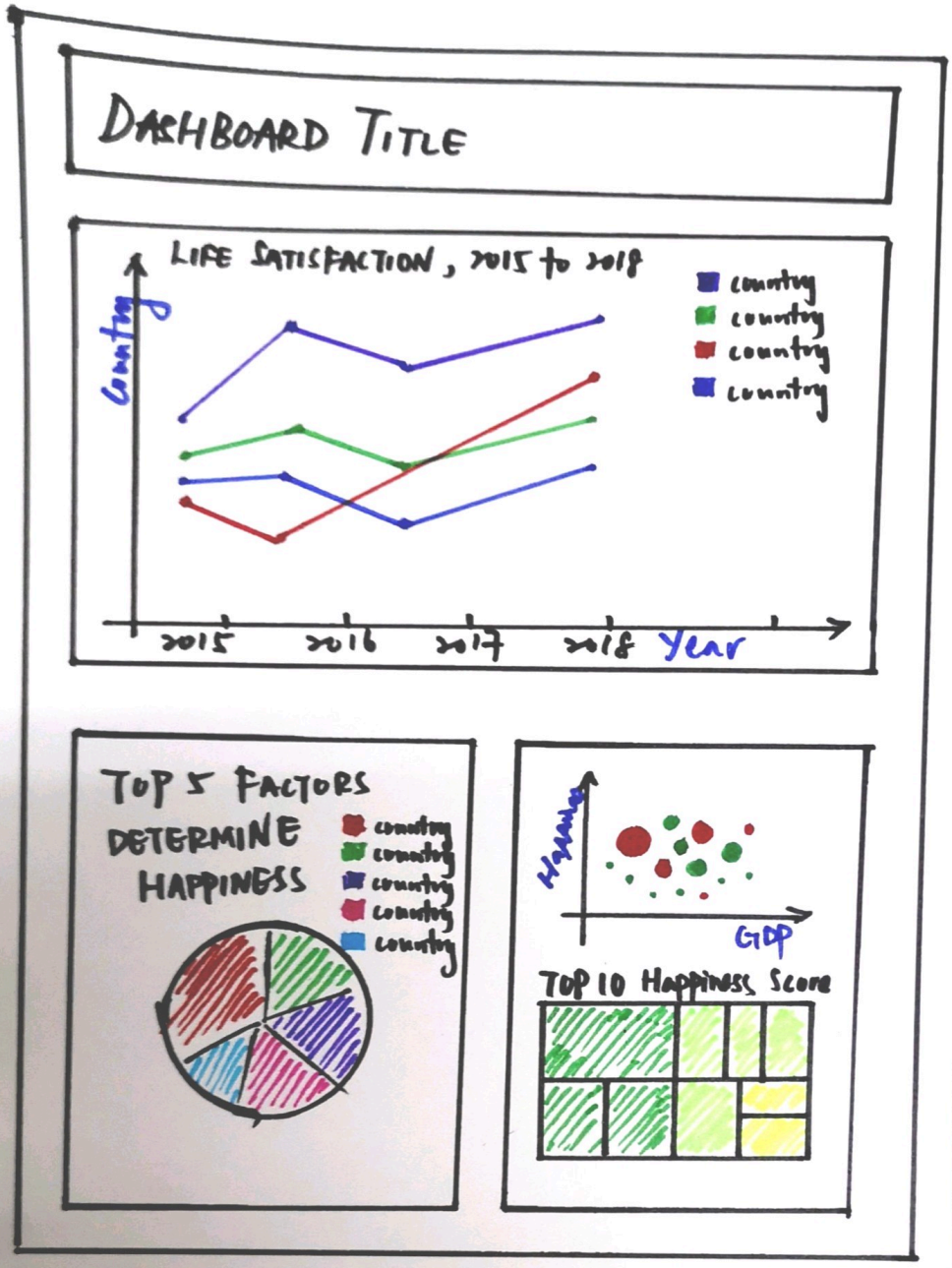
→ 7, 9, 11 can be combined into a pie chart to show the most important factors on happiness. (Refer to 7.)

→ 1, 3, 4, 6, 8 can be combined into a bar-line chart.



→ 6, 10 can be combined together to show the importance of GDP.

LAYOUT



TITLE : FIT3179 Data Visualisation 1

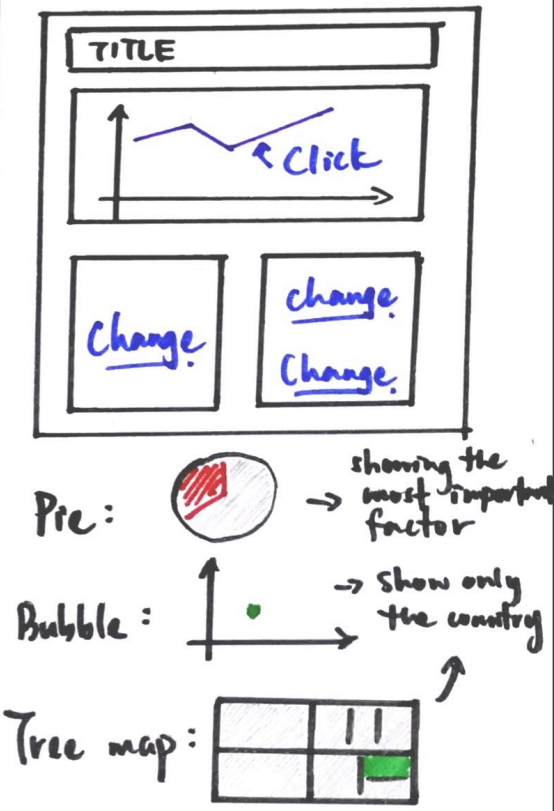
AUTHOR : Yap Kok Ban

DATE : 24/08/2022

SHEET : 2

TASK : Overall rank of happines

OPERATION



FOCUS

In the dashboard,

- → the line graph shows the life satisfaction of all country from 2015 to 2018.
- → the bar chart shows the TOP 5 factors that determine happiness.
- → the bubble chart shows how GDP affects happiness of a country
- → the tree map shows the TOP 10 highest happiness score country.

DISCUSSION

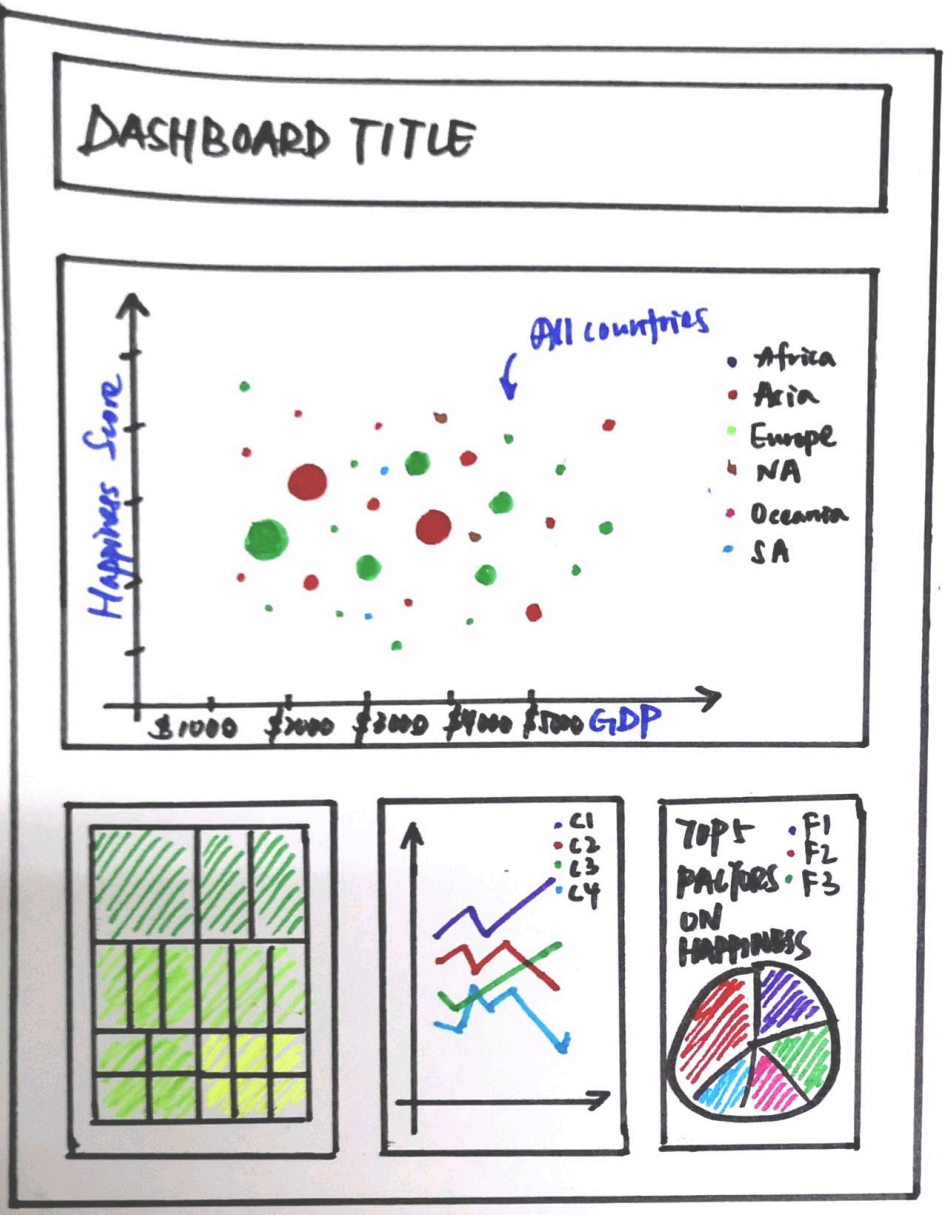
+ve

- Clean and clear environment of visualisation
- Neat & won't be too much information

-ve

- Too less data as we have filtered to show only TOP 5 & TOP 10.

LAYOUT



TITLE : FIT3179 Data Visualization 1

AUTHOR : Yap Kok Ban

DATE : 24/08/22

SHEET : 3

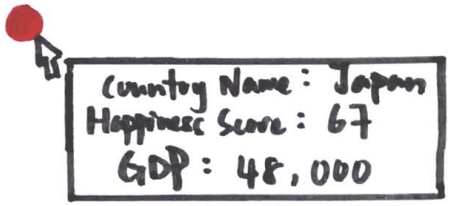
TASK : Overall rank of happiness

OPERATION

→ Moving the cursor to one of the bubble from bubble chart, (● ← place cursor here)

→ It will show a text box (which is know as tooltip),

→



FOCUS

→ In this dashboard, the main focus is on the bubble chart, which gives information on all countries and their happiness score.

→ Viewer can easily get information of each and every country from the chart.

→ By clicking on one of the bubbles from the chart, the other 3 charts will be filtered by showing only the country details.

DISCUSSIONS

+ve

- The bubble chart is very informative
- User can have interactions by clicking on bubbles to show country information

-ve

- The information does not really related for all the charts above.
- Bar graph is fixed, nothing to be filtered.

TITLE: FIT3179 Data Visualization 1

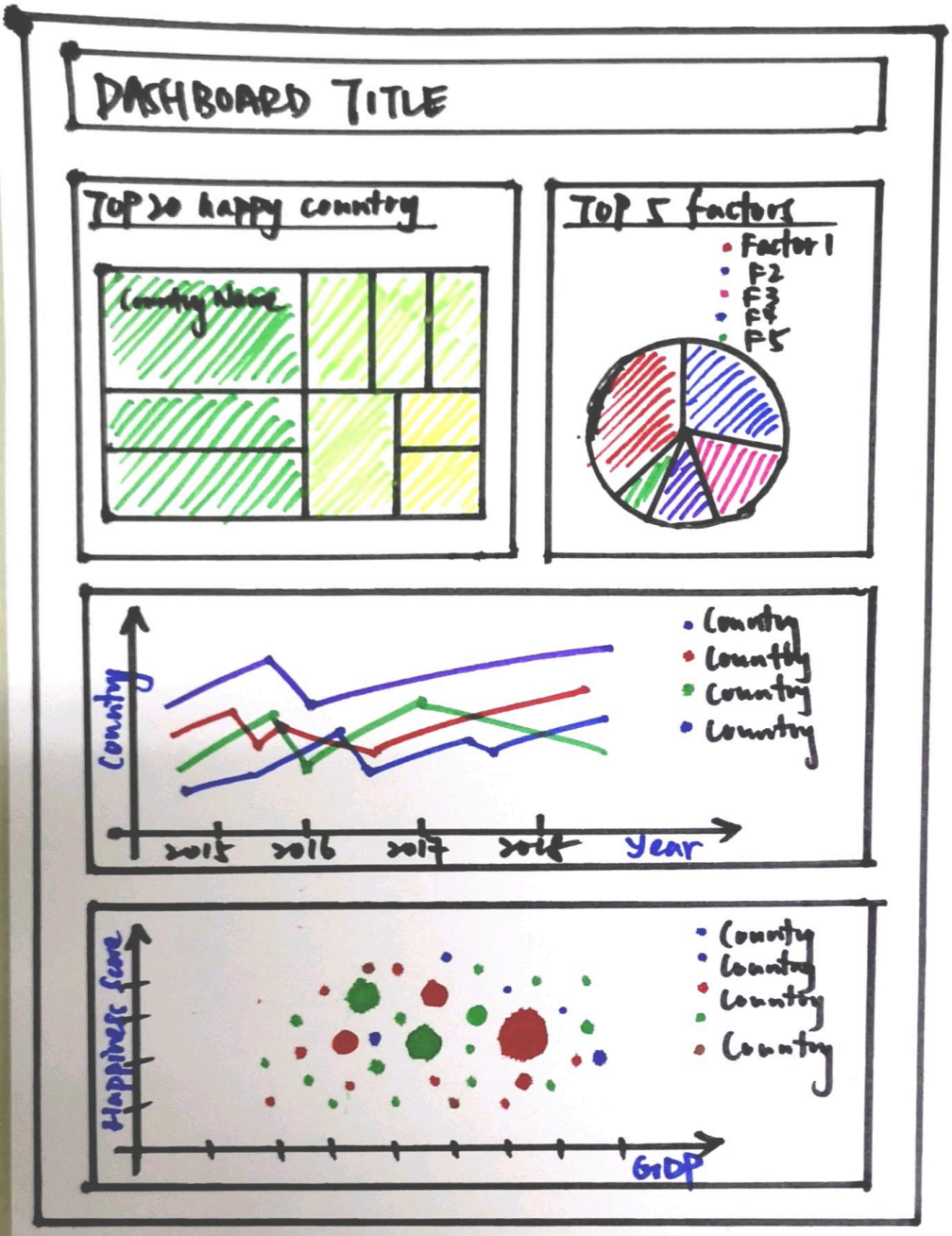
AUTHOR: Yap Kok Ban

DATE: 24/08/22

SHEET: 4

TASK: Overall rank of happiness

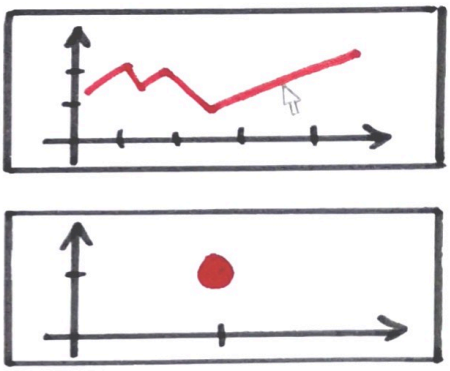
LAYOUT



OPERATION

→ Here, when we click on either the line chart or bubble chart (click on one line or one bubble.)

→ The outcome shows as below:



FOCUS

→ The main focus is that we have organize the layout and the graphs so that both treemap and pie chart are on top of the visualization since they are both fixed and could not apply filter on.

→ Both the line chart and bubble chart are moved to next of each other to provide a better visualization.

→ Viewer can now visualize these two charts and have interaction by clicking on them which provides more details and information.

DISCUSSIONS

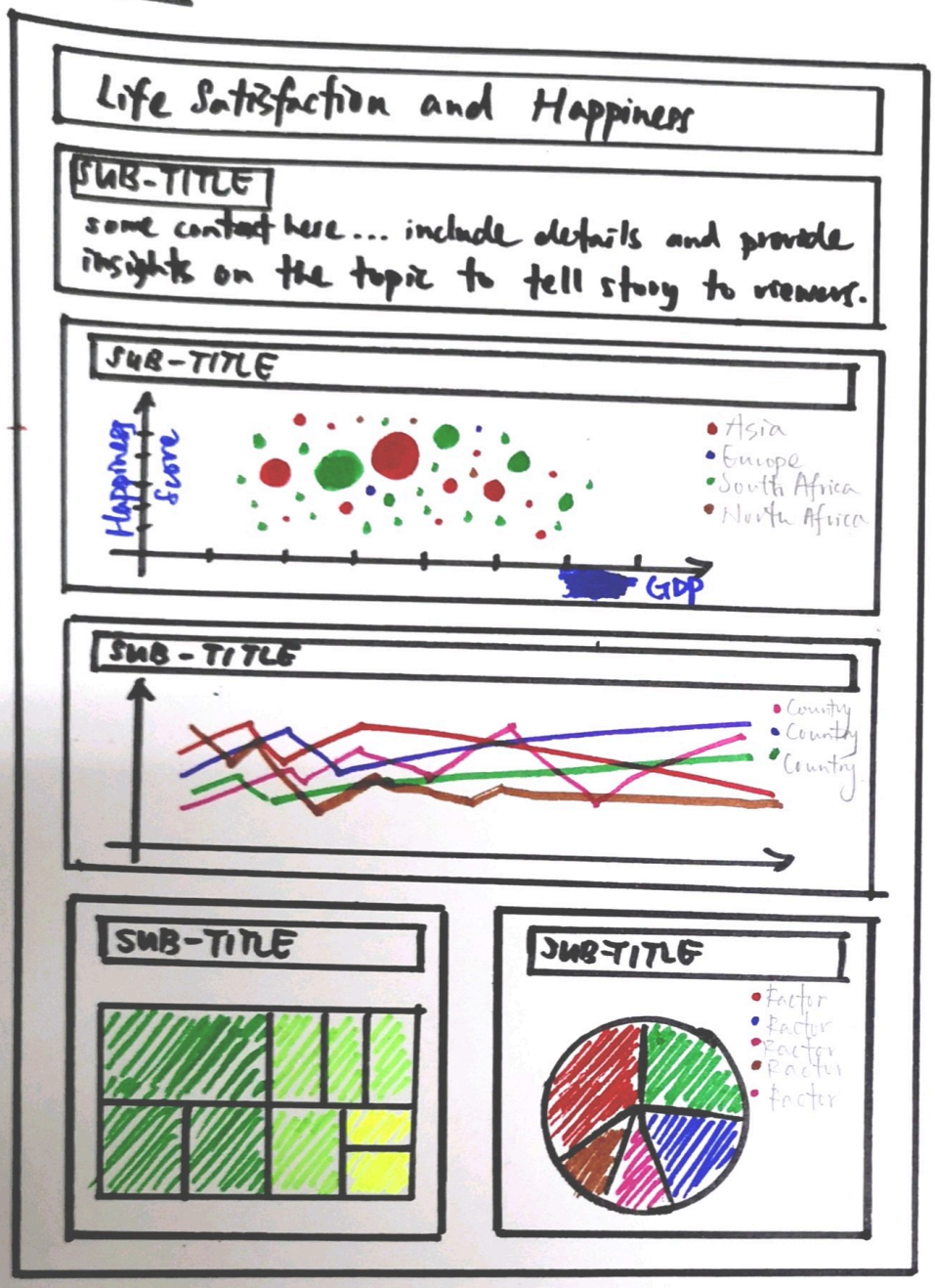
(+ve)

- A better visualization with a well-structured layout.
- Very informative on all countries and their details (GDP, happiness).

(-ve)

- Only both line and bubble chart are linked and have filter applied.

LAYOUT



TITLE: FIT3179 Data Visualisation

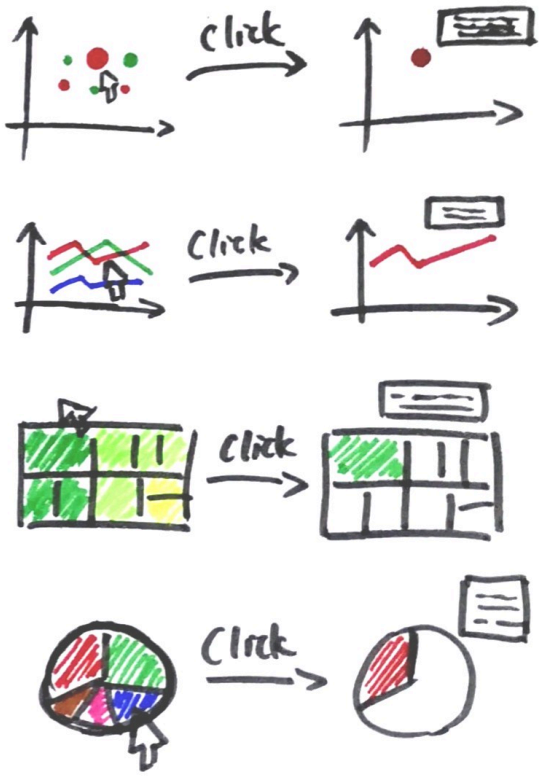
AUTHOR: Yap Kok Ban

DATE: 27/08/22

SHEET: 5

TASK: overall rank of happiness

OPERATION

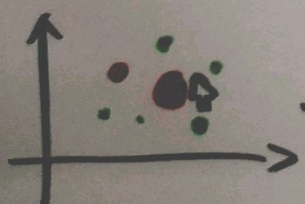


→ Applies to all charts.

FOCUS

This dashboard is an improved version of sheet 4.

→ Mainly focus on, better layout, every chart starts with a sub-title, and have included a short summary on top of the dashboard.



Here, clicking on one apply filter on all the graph and charts.

DISCUSSIONS

→ Database will be implemented from the csv files according year

→ Update data and filter according user interaction

→ Time to build/implement: 2 weeks.

→ Must fullfil most devices with an appropriate layout

→ Update data using SQL.