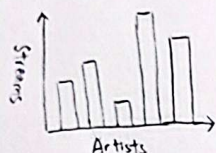
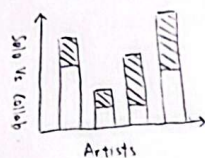


IDEAS

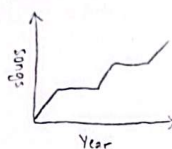
1 Bar Chart



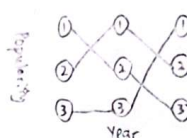
2 Stock Bar Chart



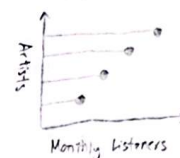
3 Line Chart



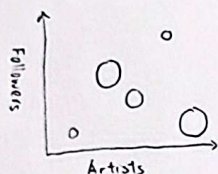
4 Bump Chart



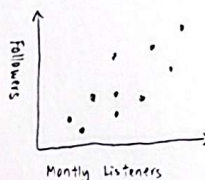
5 Lollipop Chart



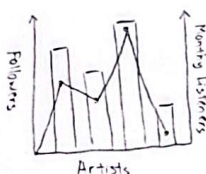
6 Bubble Plot



7 Scatter Plot



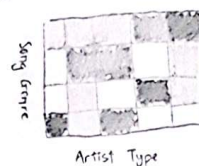
8 Line & Bar Chart



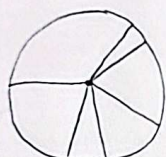
9 Radar Chart



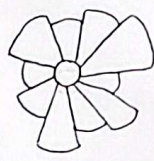
10 Heat Map



11 Pie Chart



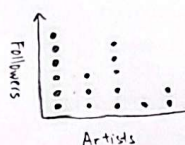
12 Circular Barplot



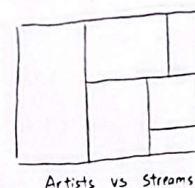
13 Doughnut Chart



14 Dot Chart



15 Tree Map



FILTER

4 Bump Chart

- artist that may not be in the top 10 in certain years would make the chart invalid

14 Dot Chart

- chart will be cluttered when faced with large range values
- exp. number of followers of an artist may vary from thousands to millions

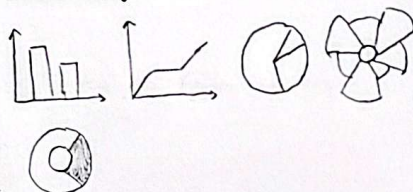
15 Tree Map

- data with similar values would be hard to differentiate
- exp. top artist may have similar number of streams

COMBINE & REFINED

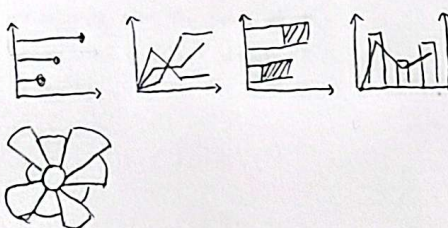
DS2

Simple charts on one dashboard for easy understanding



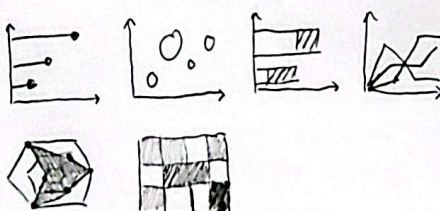
DS3

Combination of charts in one design

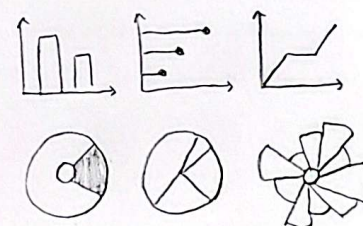


DS4

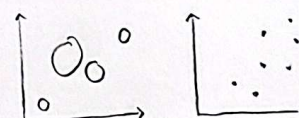
combination of all 3 category to display data more interestingly



CATEGORIZE



→ basic / simple charts



→ charts for multiple numerical data



→ interesting charts

QUESTION

- ? Does the charts visualise the information well
- ? Is the key message delivered using these data as axis
- ? Does the combination of data makes sense

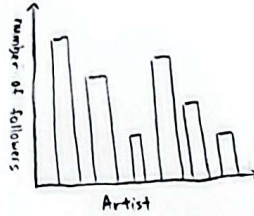
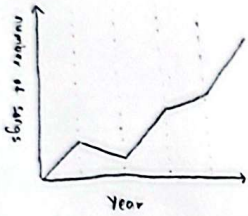
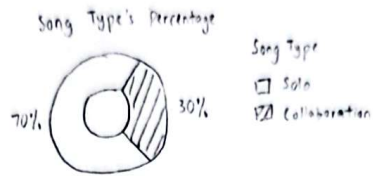
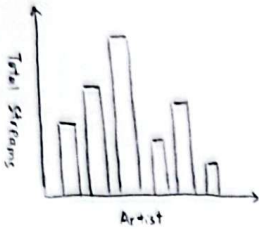
Title : Global Data of Artists on Spotify

Author : Tan Shan Li

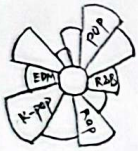
Date : 26/8/2025

Sheet : 1

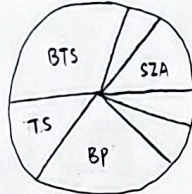
LAYOUT



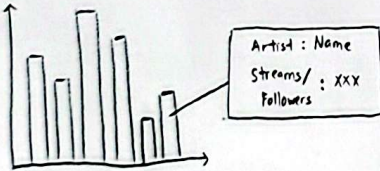
Song Genre vs Number of Songs



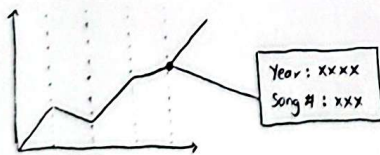
Artist vs Monthly Listeners



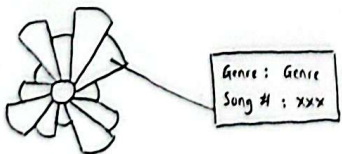
FOCUS



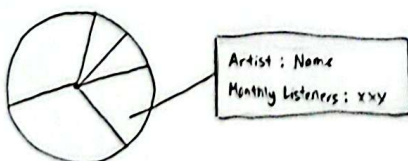
→ hovering over the bar will display its tooltip



→ hovering over the point of a selected year will display its tooltip



→ hovering over the bar will display its tooltip



→ hovering over the section of the pie chart will display its tooltip

Title: Global Data of Artists on Spotify

Author: Tan Sher Li

Date: 26/8/2025

Sheet: 2

Task: Draft visualisation of data

OPERATION

- users are able to view a charts tooltip when hovering over it

DISCUSS

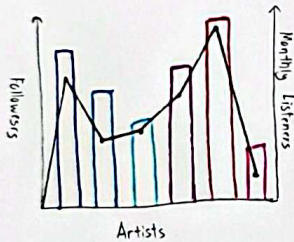
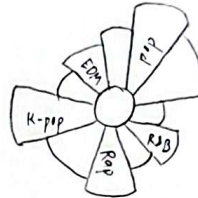
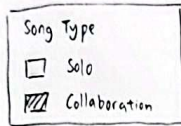
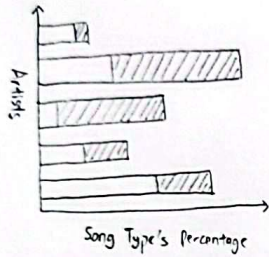
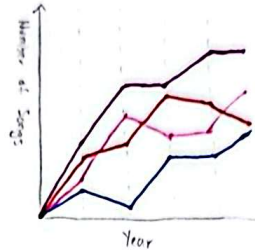
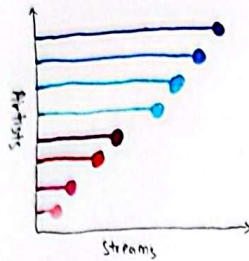
+ve

- hovering over the charts will allow users to view its numerical data
- charts choosen are really easy to understand
- comparison of data are shown clearly

-ve

- charts displayed may be boring to viewers
- no colour used for the same categorical data used

LAYOUT



Title: Global Data of Artists on Spotify

Author: Tan Sher Li

Date: 27/3/2025

Sheet: 3

Task: Draft visualisation of data

OPERATION

- user are able to view a charts tooltip when hovering over it
- user are able to select a specific line / artist to highlight, viewing that line clearer

Discuss

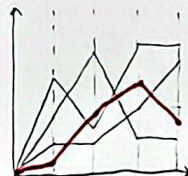
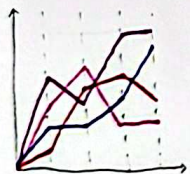
+ve

- charts has a combination of different idioms
- charts are more interesting to viewers
- colour used are consistent across the visualisation

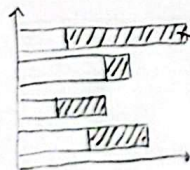
-ve

- bar & line chart may not be the best option to display the data given

FOCUS

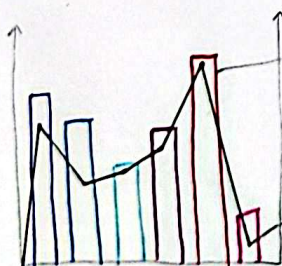


→ selecting a specific line / artists will highlight the line and make other lines grey in colour



Artist: Name
Solo: xx%
Collab: xx%

→ hovering over the bar will display its tooltip

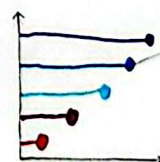


Artist: Name
Followers: xxx

Artist: Name
Monthly Listeners: xxx

→ hovering over the bar will display its tooltip

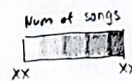
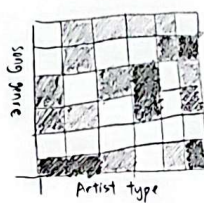
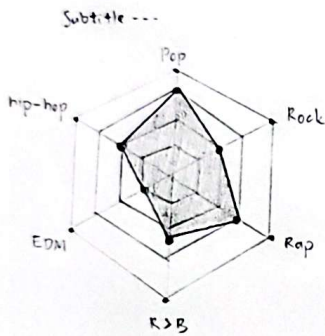
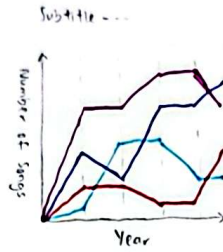
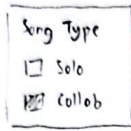
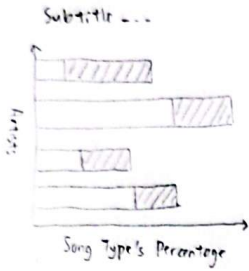
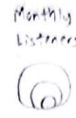
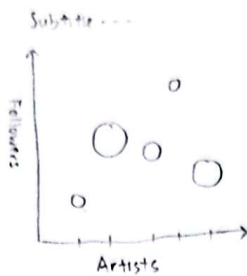
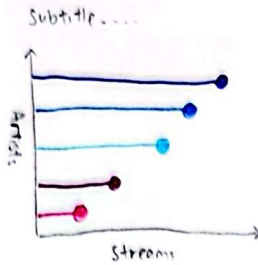
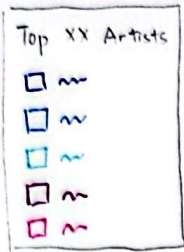
→ hovering over the point on the line will display its tooltip



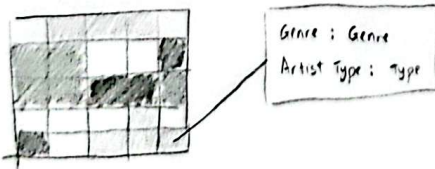
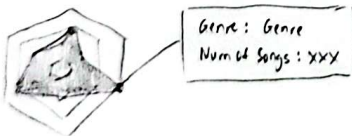
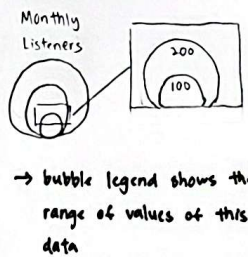
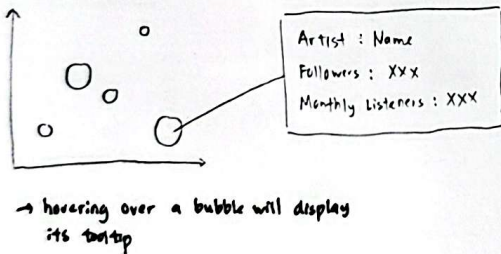
Artist: Name
Streams: xxx

→ hovering over the tooltip will display its tooltip

LAYOUT



FOCUS



Title: Global Data of Artists on Spotify

Author: Tan Sher Li

Date: 27/8/2025

Sheet: 4

Task: Draft visualisation of data

OPERATION

- user are able to view a charts tooltip when hovering over it
- user are able to filter through years they want to display for the line chart

DISCUSS

+ve

- charts are more interesting to viewers
- charts displays more than 3 data / values
- year filtering allows users more flexibility to understand specific data
- chart has subtitles for better clarification of its purpose

-ve

- bubble plot may not be the best option to display the data given
- colour are not used consistently for artist data throughout the visualisation
- heatmap may be hard for viewers to understand in one look
- bad use of sightlines between charts
- overall visualisation does not have a title
- no description of the visualisation's purpose

LAYOUT

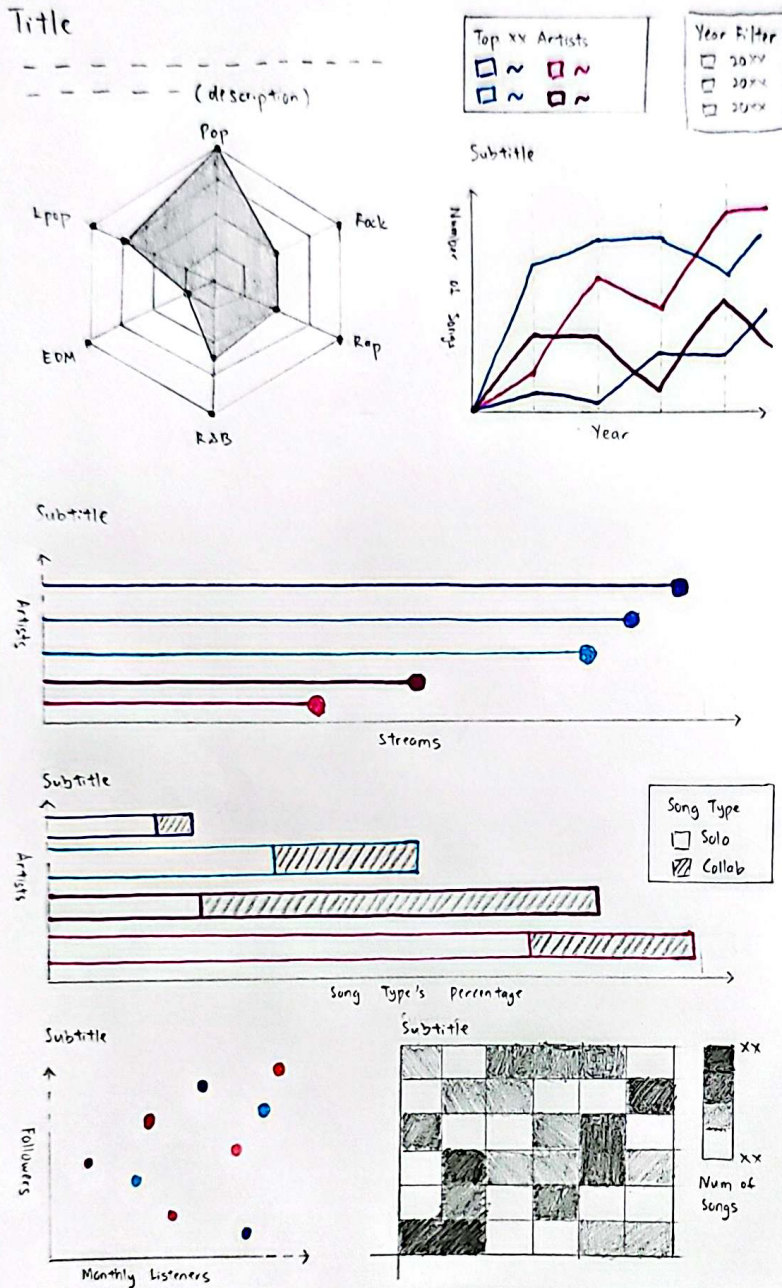
Title: Global Data of Artists on Spotify
 Author: Tan Sher Li
 Date: 27/8/2025
 Sheet: 5
 Task: Finalise design sheet of data

OPERATION

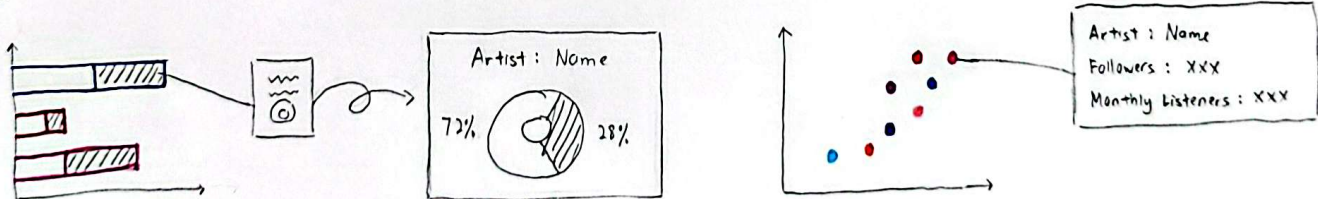
- user are able to view a charts tooltip when hovering over it
- users are able to filter through years to view selective data

DETAILS

- * Layout guides user's attention from top to bottom
- * Important / high-level information is placed as the visual centre
- * Colour palette is colour blind friendly
- * Good use of white space & sightlines, preventing cluttering
- * Data set acquired from Kaggle & MusicOset
- * Data needs cleaning before using
- * Estimated date to finish visualisation 3/9/2025



FOCUS



- hovering over the bar will display its tooltip
- tooltip: Artist's name & Doughnut Chart

- hovering over a dot will display its tooltip