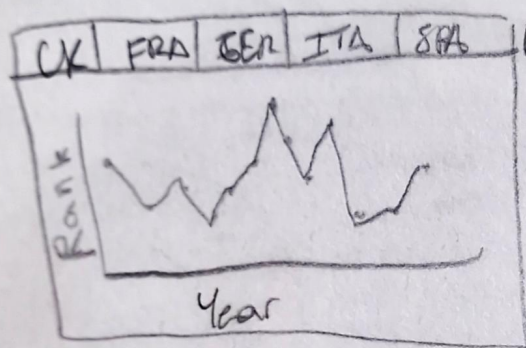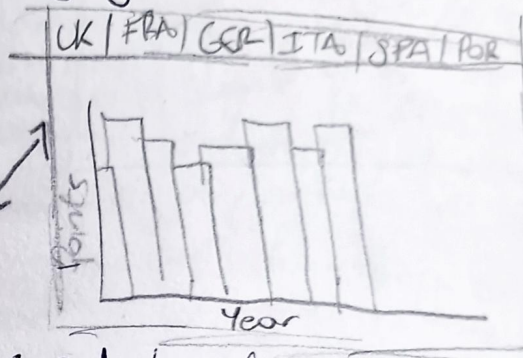Category: Location

← Choropleth ~~to~~ map
intensity = more points in dataset history
Using total of normalised points shows historical
regional performance

+Filter by region

| UK | FRA | GER | ITA | SPA | POR |

| UK | FRA | GER | ITA | SPA |

⟵ Select countries using tabs,
both show progression of a country's
performance ~~of~~ over time. Bar
lends itself to points and line to
~~r~~ rank. Possibility of superimposing
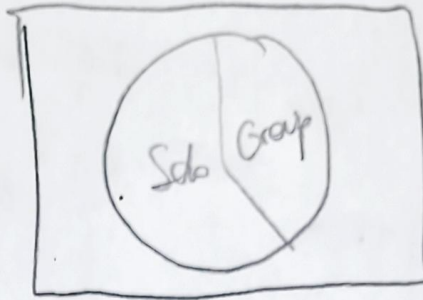different countries on ~~same~~ chart
for comparison.
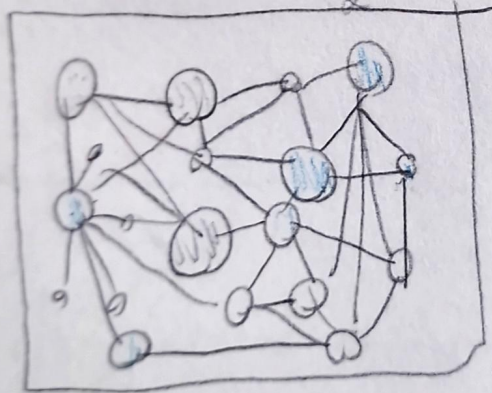
Eurovision's system means (entire)
rank one countries, which is how
points are looked at. A
network graph can show these relationships
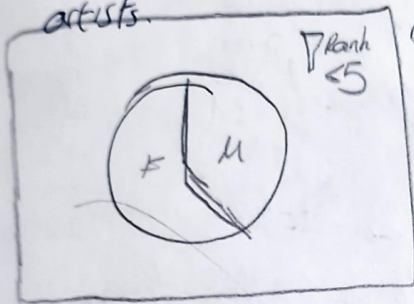between countries.

Category artist

Pie charts can be used to show proportions among artists. Opportunity to filter by rank to see how distribution changes with success.

Different bars show countries/groups/solo, etc over time's success measured as whether they were top 5.
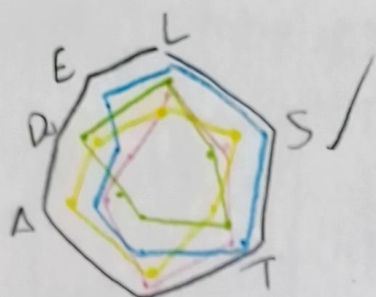

A violin plot can again show the distribution of points based on a binary artist characteristic (gender, group vs solo).
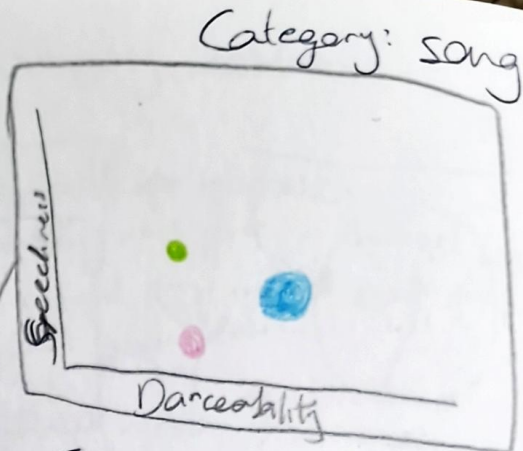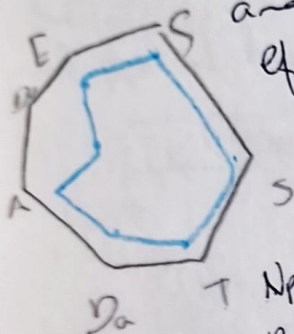

Treemap colour coded by country shows countries' preferences for artists genres or something else.

A radar chart can show features among a subset of songs (e.g. tops)

Filter !

Size shows relative score
Colour can show country/region/ or any other categorical data.

Speedness
Danceability

← A correlation matrix to show correlation between

	Np	R	P	D	E
Np	0.9				
R		0.89			
P		0.8	0.85		
D				0.91	
E				0.99	
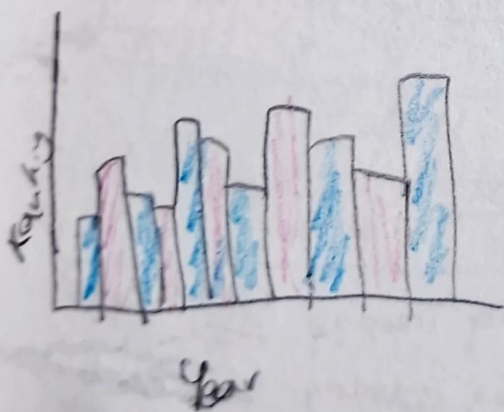
Grouped bar (by language) chart to show progression in rankings or score over time by language

Ranking
Year

Sheet 2:

Year

LAYOUT
Focus/Zoom

Year

Tooltip
Italy
Points given: #

Country
Country
Country

UK

The points given
by a country
can more clearly
be seen in a
Sankey diagram

Operations/Description.

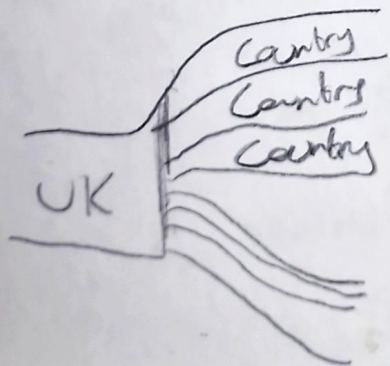- The main view is an interactive choropleth map.

- Colour intensity shows how many points that country got that year.

- There is a year slider to show progression over time.

- Clicking on a country will focus on it and using arrows, the points given by that country to another can be shown. The size of the arrow shows no. of points given and colour can show country if unclear (from flag, manual mapping).
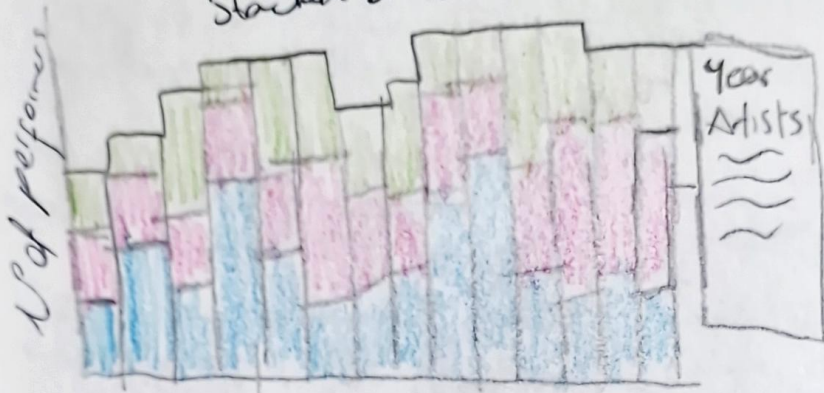
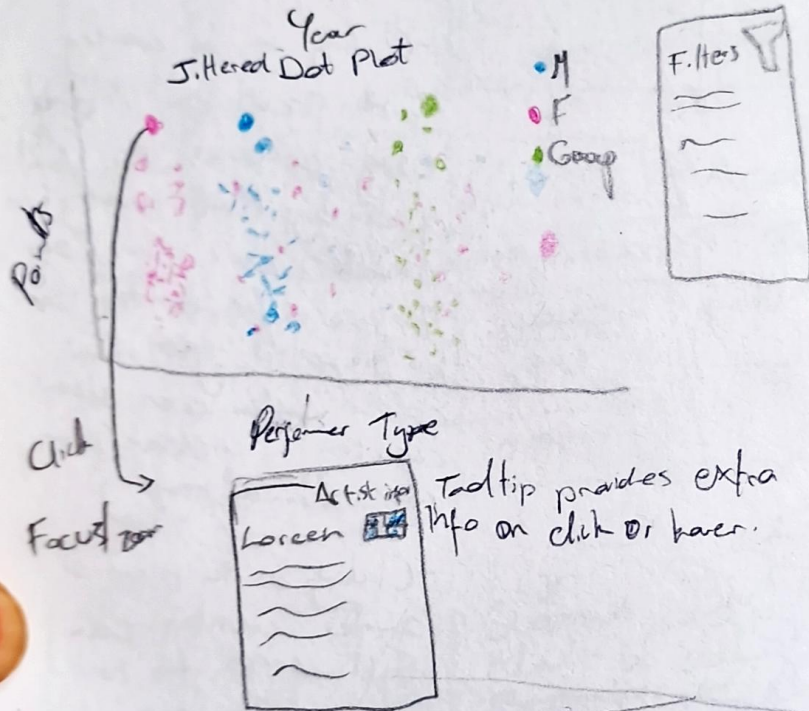- Clicking on the arrow or another country can shift focus to that other country instead.

Sheet 3:

Stacked Bar chart

N of performers

Year
Artists

Jittered Dot Plot
Year

- M
- F
- Group

Filters

Points

Click

Focus

Performer Type

Artist into
Lorem

Tooltip provides extra Info on click or hover.

Performer Type

A dumbbell chart can show the score distribution of different types of performers.

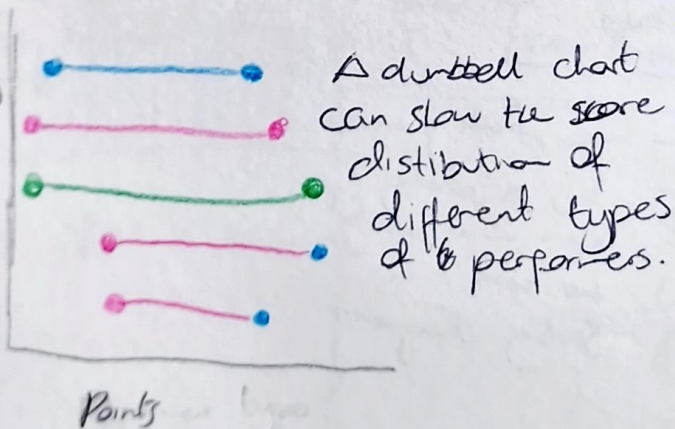Points

A stacked bar chart shows how many acts there are each year and the proportion of genders/groups each year.

Hovering will give a tooltip showing information about the artists in that show.

A jittered dot plot can show the distribution of different performer types by score. The dot size represents number of times they have appeared as there are repeat artists. Clicking on a dot will give information about the artist and their song.

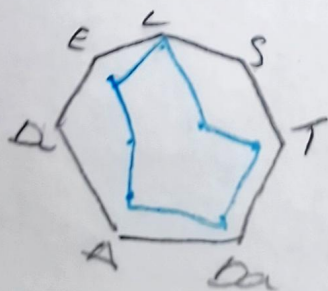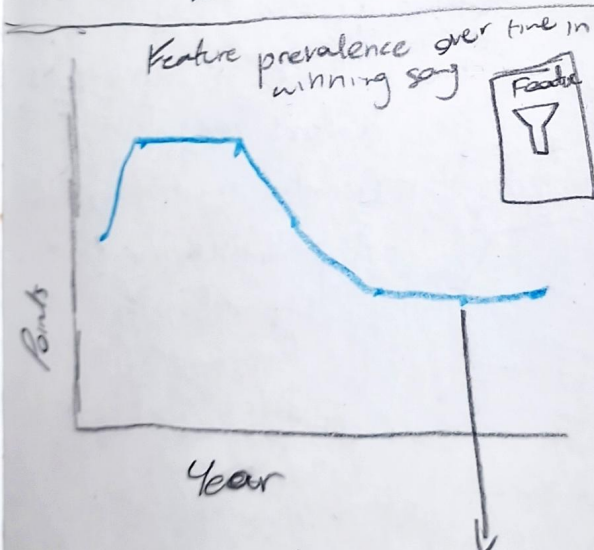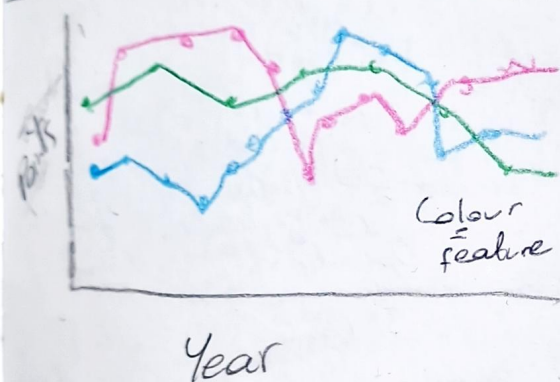A dumbbell chart offers a different approach to showing the information shown on the jittered dot plot.
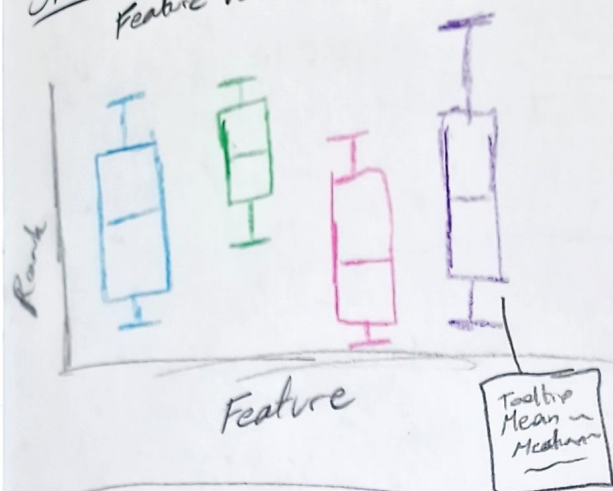
Sheet 4
Feature vs Rank Box plot

Rank (y-axis) vs Feature (x-axis)

Tooltip
Mean
Median

0.49		0.99	
	0.99		
0.99		0	0.99
			1

Points (y-axis) vs Year (x-axis)

Colour = feature

Feature prevalence over time in winning song

Feedback

Points (y-axis) vs Year (x-axis)

Radar chart with axes: E, L, S, T, A, Da, D

Description

- Focus on song features.

- A box plot can show the distribution of features against the rank of their performance overall.

- Hovering over a box will show off a tooltip that will explicitly show the numbers.

- The next view is a line chart where each line represents one feature. This shows the development of the prevalence of features over time. Each dot is the sum of points for songs that year for that feature.

- The next shows the prevalence of a selected feature in the winning song each year. Hovering over a dot/song will show a radar chart for that song.

- Finally, a correlation matrix can directly show the links between features and success.

Sheet 5

Map showing points scored by country

Year

Filter by geography

Jittered dot graph
showing distribution of performer success by type

Jedward

Points

Performer type

Single feature line graph for Select winning song feature eagbar

Points

Year

Treemap for top 5, 10, 15 etc by features.

1-1 violin plot both for feature spain sm

Correlation Matrix

- Clicking on a country on the map will give a profile on that country (best, avg, etc.)

- It will also show arrows on the map to indicate points the target country has given out.

- Clicking on a dot on the jittered dot chart will show information about that performer, their songs, and points received

- Clicking on a dot on the song line graph will show a radar chart showing all the features in that song

- Clicking/selecting two features on the correlation matrix will show a violin plot comparing them.
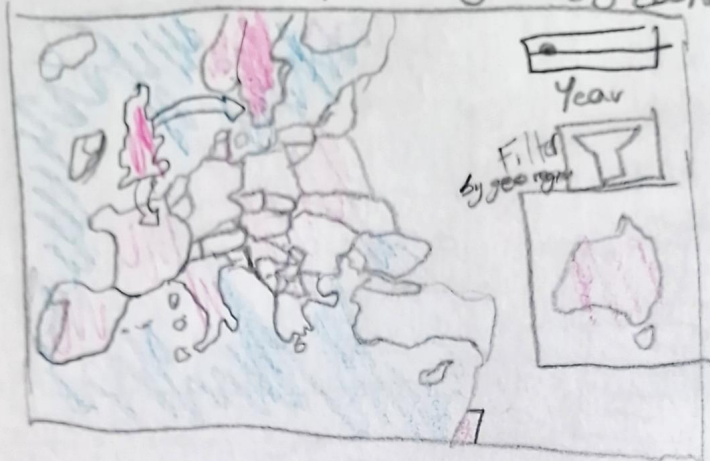
Operations

Detail

- Software: d3.js

- Dataset: Eurovision per dataset from Tableau

- Estimated time to build: 16 hrs

- Algorithms & methods:
  - Choropleth map.
  - Year-based filter slider
  - Jittered dot graph
  - Line chart
  - Radar chart
  - Treemap
  - Correlation matrix
  - Violin plot

Sheet 5

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Filter by geography

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Performer type

Jittered dot graph

Jedard

showing distribution of performer success by type

Points

Single feature line graph for select winning song feature each gen

Year

L
S
B
Du   T
A   Da

Treemap for top 5, 10, 15 etc by features.

1-1 violin plot both for feature + point

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