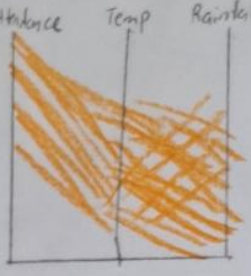
Sheet 1
Kuuruprasath
32619979
Studio 25 Rig

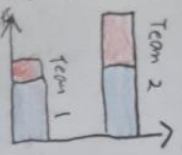
Ideas

Choropleth Map

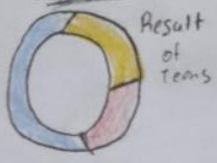
Parallel coordinate Plot



Stacked Bar chart



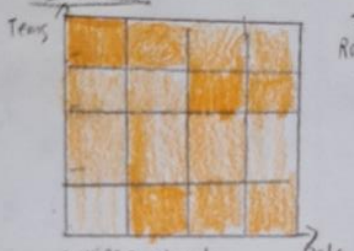
Donut chart



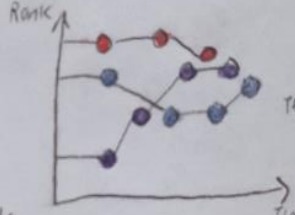
Ridgeline

Proportional Symbol Map

Heatmap

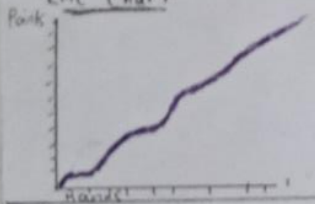


Bump chart

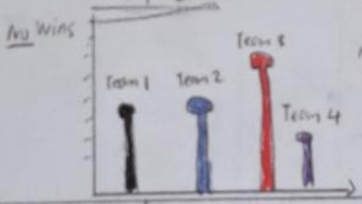


AReA chart

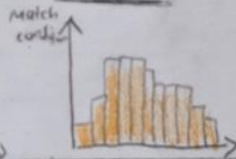
Line chart



Lollipop chart

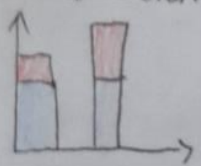


Histogram



Filter

Stacked Bar chart



AReA chart

No need to show total of a whole
↳ can use Donut chart
↳ Custom built

Histogram

→ No reason to show distribution like this
↓
Too simple

Categorize

Map
- Choropleth
&
- Proportional symbol

Show portions of totals
- Donut Chart

Show Relationship between variables
- parallel coordinate
- Heatmap

Show value over time
- Line chart
- Bump chart
- Ridgeline Comparision
- Lollipop chart

Combine & Refine

Ridgeline can be used to show multiple team progress over time.
↳ But usually in different sections
↓
use Bump chart or line chart to visualise multiple teams at once

Ridgeline and Lollipop can show difference of point accumulation → Ridgeline better
↓
Because incorporate time/Rounds

Questions

Can target audience understand → Yes

Is it helpful → Yes

Layout

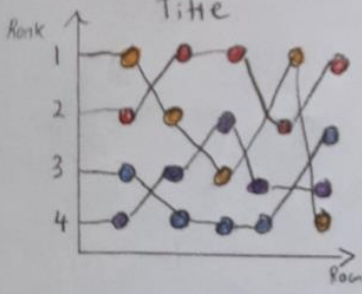
Australian Football League

Subheading

① Title

② Title

③ Title



Discussion

Pros : 1) All complex visualisation

2) Ability to compare variables with different teams, stadium, state

Cons : 1) Too much whitespace

2) No interactivity

3) Map shows redundant things

4) No annotations

Title : Australian Football League

Author : Kuuraprasath Velamurthi 32619979

Sheet : 2

Studio : 25 Ria Kalachetty

Focus

① Choropleth Map that shows average attendance to AFL games. This will be normalised correctly according to population in state

② Proportion Symbol plot of Australia. Dot size represent average attendance to games. Position of Dot represent individual stadiums Able to perform attendance comparision based on stadiums

③ Bump chart that shows ranking of different teams accross various rounds. can perform explicit point progression comparision

Operations

①, ②, ③ All charts will have visible tool tip when hovered upon Provides detailed information about what is being seen by user

③ Clicking on a particular team will only display that teams Progression over the rounds

Layout

AFL Performance Analysis

Subheading

Title

(1) (5) Team

Title

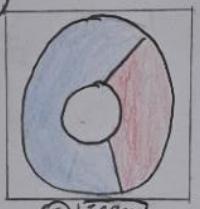
(2)

Team (3)

(6) Legend

Title

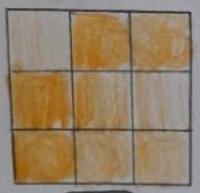
(2)



(5) Team

Title

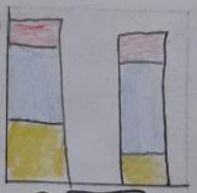
(3)



Team (3)

Title

(4)



(5) Team

Discussion

Pros :- Complex and custom built viz
- More interactivity

Cons : - Still too much whitespace because of map
- No paragraphs / annotations
- The 2 bottom chart may be considered too simple
- Make map full length

Title : AFL Performance Analysis
Author : Kuruprasath Nelamurthi 32619979
Sheet : 3
studio : 25 Ria Kalachetty

Operation

(1),(2),(3),(4) Tool tip that shows the value

(5) Filter that allows to filter by team

(6) Legend that explains the colour of donut chart

(4) Clicking on a certain part of the bar chart makes the other parts dissapear so it looks like Position on common scale

Focus

(1) Proportional symbol map that shows where the fans of the particular team lives → Allows to show distribution of a teams fanbase

(2) Donut chart that shows the performance of team. Shows win / lost / draw count of all season. For Home and away hence 2 charts

(3) Heatmap that chow how closely 2 variables are related. For example how does rainfall impact result of match for a team

(4) Stacked bar chart that show portion of result compared with 1 default team

Layout

Discussion

Pros :- Less whitespace
- No simple graph
- Have annotations
- Has interactivity

Cons :- Some charts may be hard to understand
↳ include reading instruction

Title : Exploration of AFL
Author : Kuuruprasath Nelamuthi 32619479
Sheet : 4
Studio : 25 Ria Kalachetty

Operations

①, ②, ③, ④ Tooltip that shows details of the data

⑥ Dropdown filter that allows user to see data based on year

⑦ Dropdown filter that allows user to see data based on team

⑤ Annotation that dynamically changes per Year

⑧ Legend explaining colours

Focus

① Proportional symbol map that shows attendance based on stadiums

② Donut chart that shows performance of a team. win/lost/Draw count

③ Ridgeline that shows point progression of the top 3 team

④ Parallel plot that shows relationship of multiple variable all at once

Layout

AFL Insights: Performance and Attendance

Subheading

Title: AFL Insights: Performance and Attendance
Author: Kuruprasath Nelamuthi 32619949
Sheet: 5
Studio: 25 Ria Kalochetty

Operation

①, ②, ③, ④ → Tooltip that shows the various info

⑥ → Dropdown filter to filter by year

⑦ → Dropdown filter to filter by team

⑩ → Legend shows meaning of colour

⑤ → Annotations

Focus

① → Pepatorial Symbol map that shows attendance based on stadiums

② → Donut chart that shows performance of a team. Win / lost / Draw

③ → Ridgeline that shows point progression of top 3 teams

④ → Parallel plot that shows relationship of attendance against temperature and rainfall

Detail

1) Vega editor to create Json charts
2) Vs code to do html and css
3) Map shaper and natural data to get json / topojson files
4) R to perform data cleaning using Pandas
5) Take 1 day for each visualisation
   2 days to compile everything together
   = 7 days to complete