IDEAS

(a) chloropleth map

(b) radar chart

PJS
AG   RBD
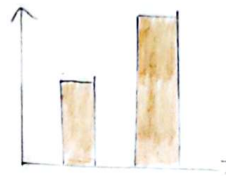STL   BLK
TRN

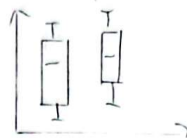(m) bar chart

(c) Radial shot chart
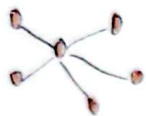

(d) flow map

(n) box plot

(e) Force-directed network

(f) radial bump chart
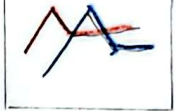

(o) line chart

(g) stream graph

(h) spiral timeline

(p) dual axis

(i) waffle chart
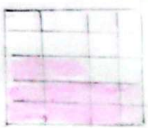
(j) spark chart

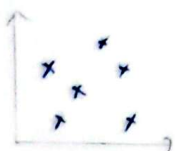
(q) multiple line chart

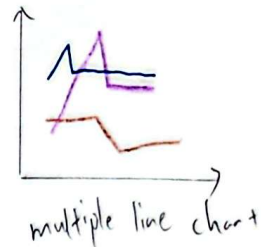(k) scatter plot

(l) lollipop chart

(r) pie chart

FILTER

pie chart

multiple line chart

CATEGORIZE

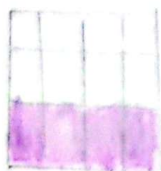1) Maps

(a), (d)

2) trends

(0), (p), (q)

3) Magnitude

(l), (h), (m)

COMBINE & REFINE

spiral timeline

waffle chart
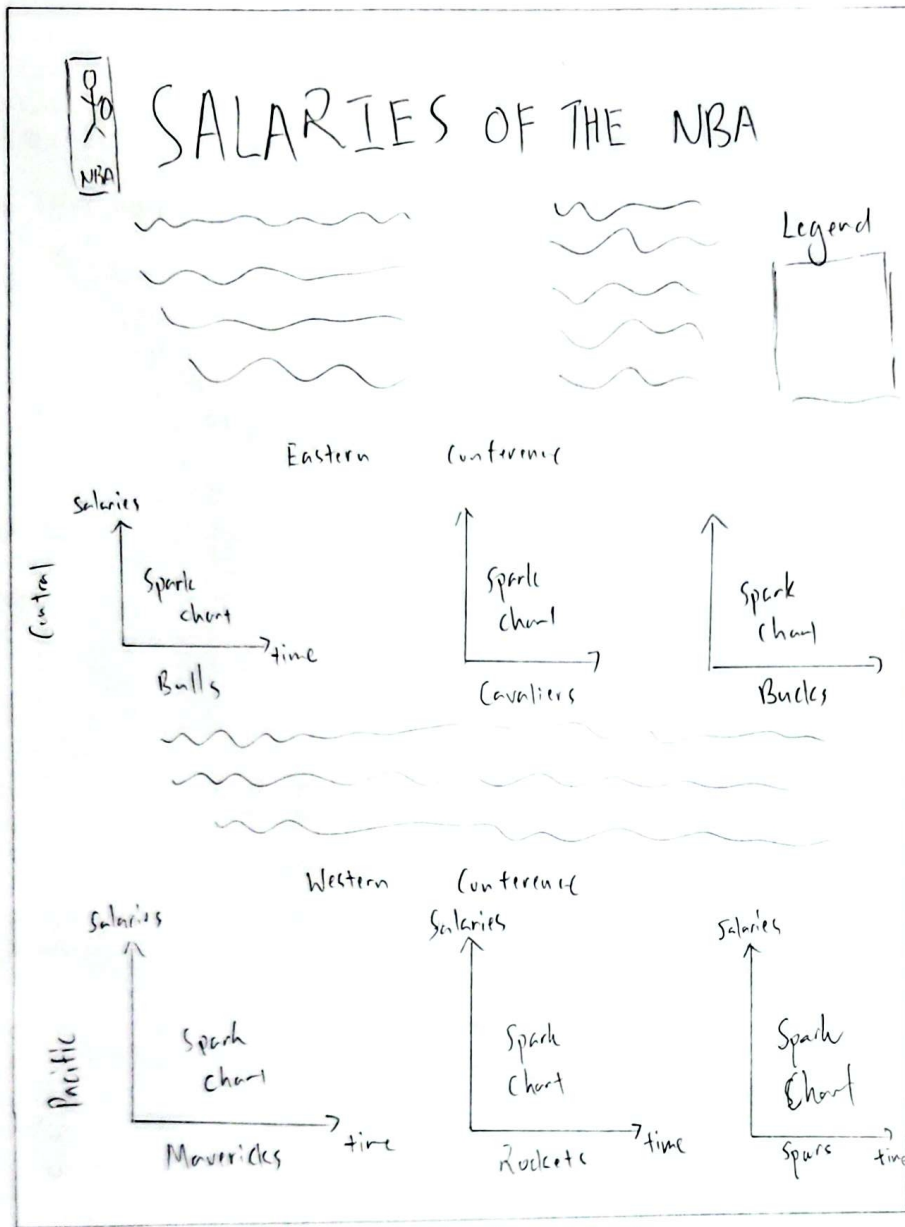

spiral timeline + waffle chart

QUESTIONS

- Does this visualisation lead to a story.

- Is the visualisation doable?

LAYOUT

SALARIES OF THE NBA

Legend

Eastern Conference

Salaries

Spark chart

Bulls

time

Spark chart

Cavaliers

Spark chart

Bucks

Western Conference

Salaries

Spark chart

Mavericks

time

Salaries

Spark Chart

Rockets

time

Salaries

Spark Chart

Spurs

time

OPERATION

1) Hover over the spark chart shows box plot and horizontal bar chart

player names
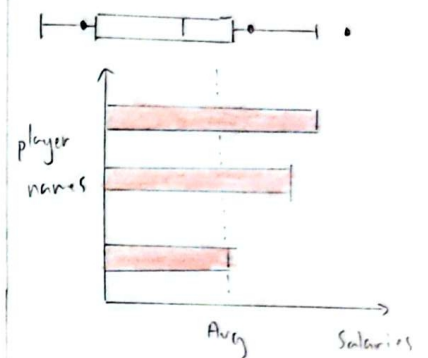
Avg   Salaries

FOCUS

- This visualisation focus on the in depth analysis of salaries for teams in the NBA

- Contains detailed information from each conference to each team to each player.

DISCUSSIONS

+ In depth detailed analysis of salaries across each team in the NBA

+ Advanced Interactivity.

- Too bored to focus on salaries only?

- Lacks information from other aspects.

LAYOUT

NBA ⌛

① Team connections

Pacers — Laker

Spurs — Trail blazers

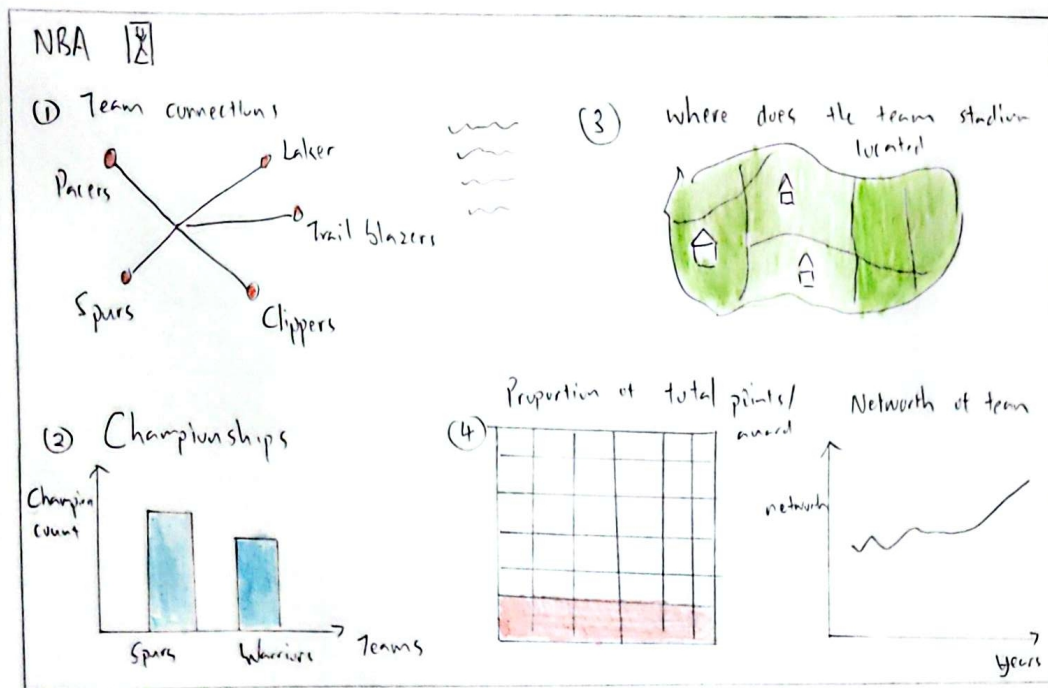Clippers

③ where does the team stadium located

② Championships

Champion count

Spurs   Warriors → Teams

④ Proportion of total points / award

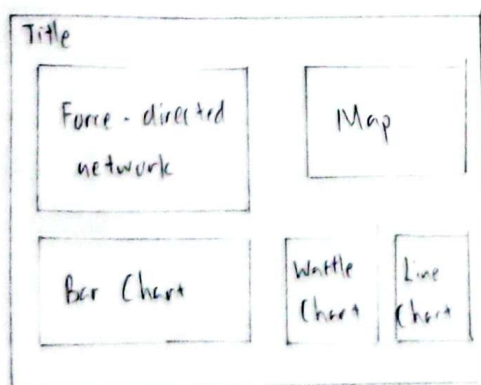networth

Networth of team

years

OPERATIONS

Tooltip hover

1) Map
- Shows exact coordinate of the stadium

Pull around
1) Force directed network
- User able to pull and drag the nodes

FOCUS

Title

| Force - directed network | Map |

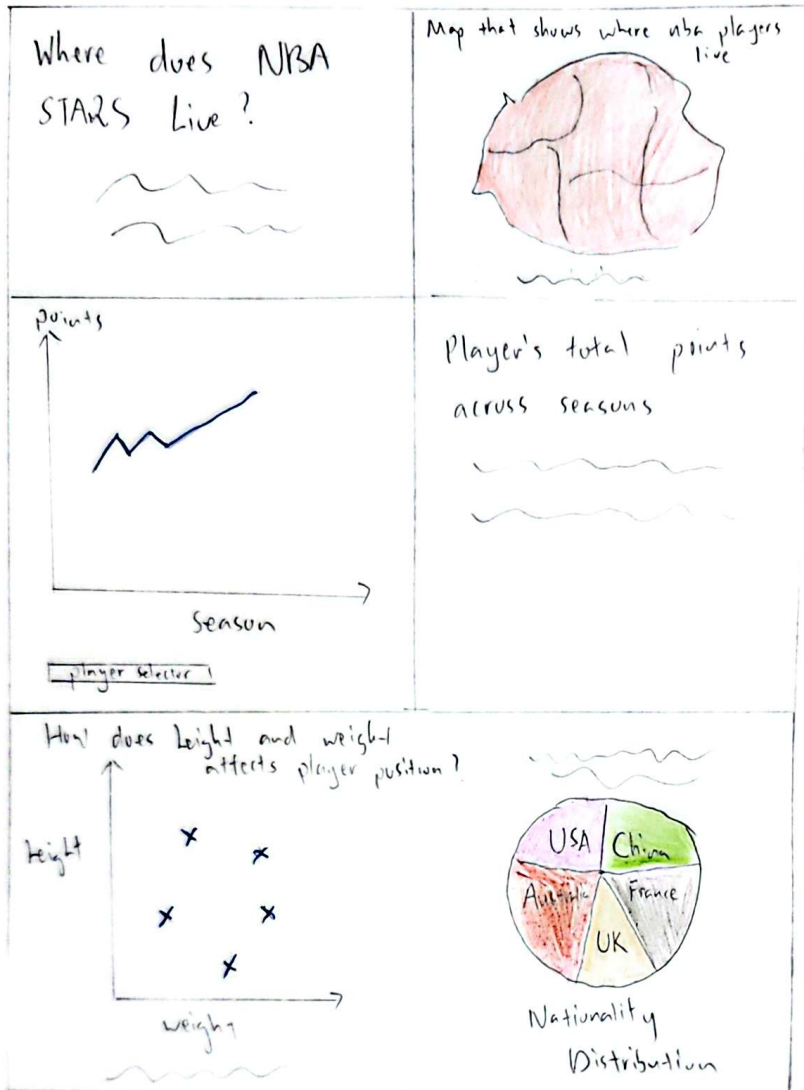| Bar Chart | Waffle Chart | Line Chart |

- The visualisation focus on team aspects

- The story goes from the connections between teams, stadium location of each team to specific team achievements.

DISCUSSIONS

+ Clean and easy for user to obtain information

- Limited information

- Not enough graph to show all story

LAYOUT

Where does NBA STARS Live?

~~~~~~
~~~~~~

Map that shows where nba players live

~~~~~~

points

Season

[player selector]

Player's total points across seasons

~~~~~~
~~~~~~
~~~~~~

How does height and weight affects player position?

height

x   x
x   x
    x

weight
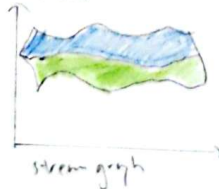
~~~~~~

USA | China
Australia | France
UK

Nationality Distribution

OPERATIONS

Tooltip hover

1) Maps:
Shows player counts, state name

Dropdown menu

1) Line chart able to choose specific player to see their total points across seasons.

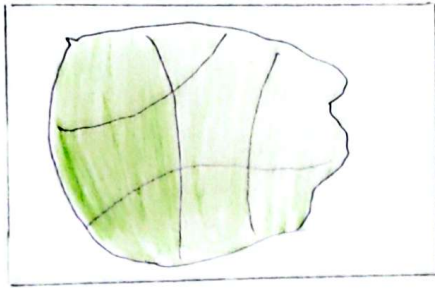| Lebron James |
| Steph Curry |
| x x v |
| x x x v |
| x v v v |
| x v v v v |

FOCUS

- The visualisation tells the story of general information of nba players.

- It goes from where does most of the players live to their performance, height and weight lastly nationality distributions
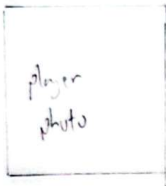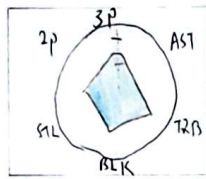
DISCUSSIONS

+ Clear flow with storytelling

- Insufficient interactions?

LAYOUT

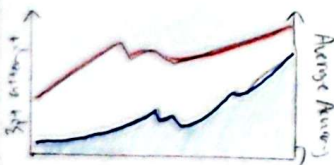NBA   The NBA   Universe: Movement, Mastery & Myth

Origins ..

Skills ...

player photo	Player stats	

Dropdown menu

Shot chart

3pt - Revolution

Game momentum Flow

stream graph

Dynasty

OPERATIONS

1) Dropdown menu

- Users are able to choose between 20 legends

- Radar chart, stat and photo will be updated accordingly

- Users are able to choose which era to look at the wattle chart.

FOCUS

- Three stages for storytelling, flows from the origin, to nba player skills, to their shot preference, to the pace and momentum of game.

DETAILS

- Database implemented with CSV files
- Time to implement 3 days