

FIT5147: DATA VISUALIZATION PROJECT 5 SHEET DESIGN METHODOLOGY



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Introduction

- Application of the 5SD methodology for the DVP.
- Dataset is multi-variate and mix of different types of data.
- Primary focus on presenting the distinction between the winners and other teams.



[SHEET-1]

INITIAL DESIGN

* Problem Statement: Analyzing NAVI's major winning rate unadjusted, w.r.t previous major winners and other competitors.

Data Available:

- Kill/deaths/Assists
- Economy
- Trading
- Opening/Outs
- Aggression
- Attacking
- Impact

Interface:
R/03.jy/2021.

Considerations:

- Important to add
- Clear difference between team performance.

Visualizations:

- * Bar plot (grouped / stacked) ①
- * Radar chart ②
- * Pie chart ③
- * Line graphs ④
- * Sankey Diagrams ⑤
- * Density chart ⑥

- * Scatter plot ⑦
- * Box plot ⑧
- * Heat maps ⑨
- * Tree map ⑩
- * Bubble plots ⑪
- * 3D area plot. ⑫

Presentations:

- ③, ⑤, ⑧, ⑪, ⑫, ⑬, ⑭ → Cannot be used freely as they are context specific. and not useful for micro analysis.

Mix + Match + Filter: → Data being used here is categorical + ordinal.

① + ④ : — Can be used to plot grouped variables + changes over time.

⑦ + ⑩ : — Grouping of data after clustering can be done to show similarity.

② : — Ordinal data can be grouped for 1 team and used as a whole comparison plot for another/multiple teams.

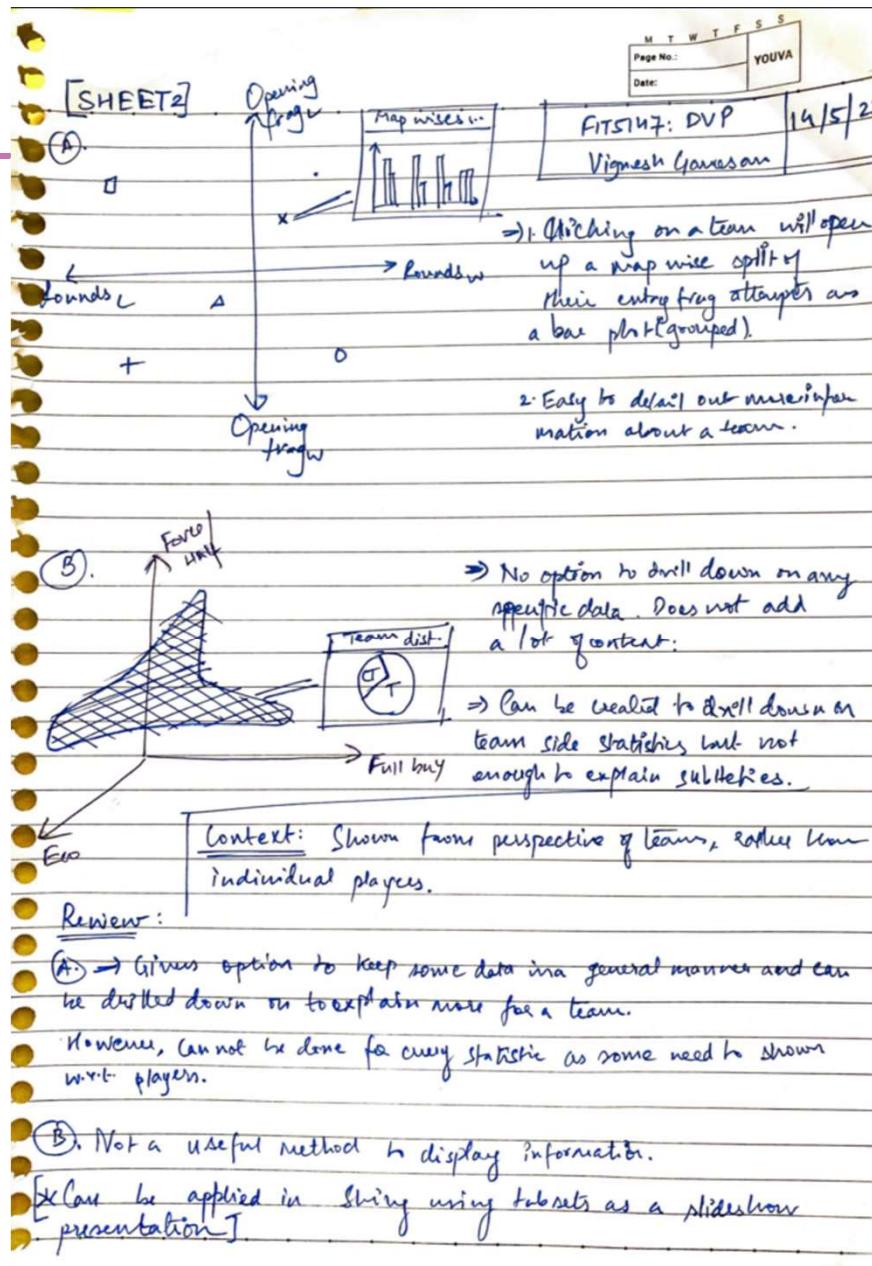
⑪ : — Can be used but not expensive on its own to outline inferences.

SHEET 1

+ ●

SHEET 2

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SHEET 3

+ ●

[SHEET- 3]

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Filter **Montage [x]**

Traded player **Traded with (players)**

A.

- Clicking on player lists node to other players as well and displays team statistics like wins/losses/etc.
- Filter will allow for comparison against top/bottom players.

Opening hills

B.

- Allows player vs player comparison of critical statistics.

Player details

Team Name :
Position :
Year :
Teammates

Review:

A.

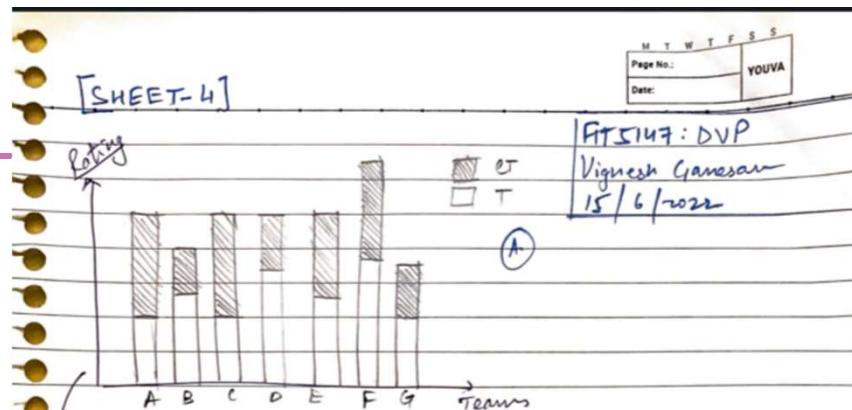
- Allows for representation of player performance w.r.t other players and even players from other teams.
- But, team related statistics are hard to display without congesting screen.

B.

- Useful for individual comparison but not enough for multiple players.
- Side bar is also not enough to cover team metrics such as map distribution, pistol conversions, economy, etc.

SHEET 4

+ ●



- Plot of side rating distribution. Rating is a derived and manually calculated measurement.

CT	Stats	Map

- Clicking on side opens details of the team with the percentile of the team.

Stats	Map

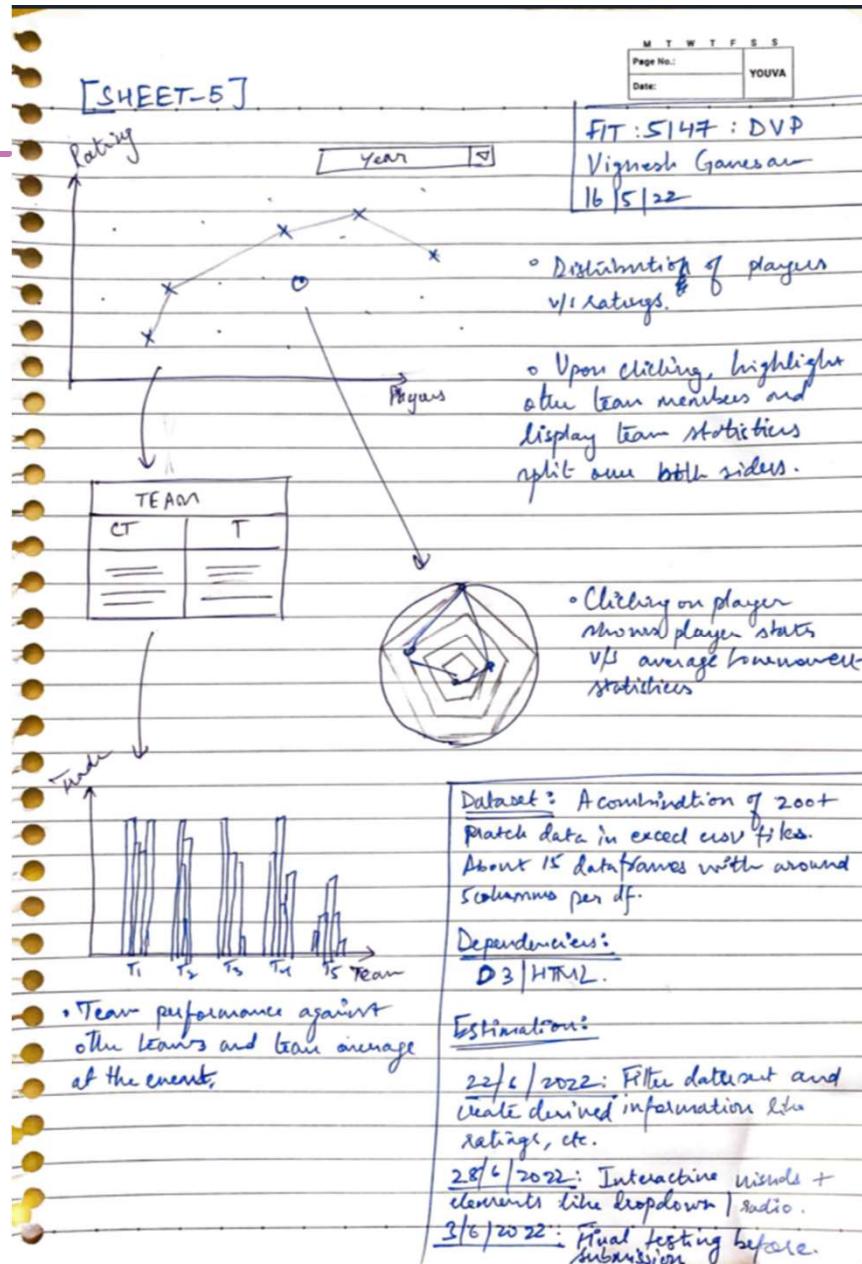
Content: This style displays another approach of team data but doesn't expand on the individual performance.

Review:

A much better presentation but not enough emphasis on individuals that make a difference.

Not enough to let viewer understand the difference between the impact of players and those players who play good but lose due to bad team and vice versa.

SHEET 5



END

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