

## Tableau viz guideline

**Dataset source:** <https://www.kaggle.com/datasets/stoney71/aflstats>

### STEP 1: Analyse requirements

Collect requirements

Dashboard purpose

Who for: AFL

What it contains: overview of games, players, and team metrics

Dashboard dynamics:

- Parameter by year (season)
- Dropdown filters by team, player name, age bracket, venue
- Hide/Show button to reveal all filters

Key requirements (chart and tooltip style details)

#### 1. Introduction section

##### a. Overall KPI (bans)

- KPI1: Accumulated points
- KPI2: Accumulated goals
- KPI3: Accumulated tackles
- KPI4: Avg. player age
- KPI5: Avg. player weight

#### 2. Statistics section

##### a. Game Result metrics:

- S1: Home (CY vs PY) performance (bar in bar)
- S2: Away (CY vs PY) performance (bar in bar)

##### b. Scoring breakdown

- \*\*\*S4: Points per quarter (scatter/shape)
- \*\*\*S5: scoring trend across quarters over the years - top 3 teams (line)

##### c. Player performance

- KP1: Avg disposals (total, handballs, kicks) per game (bar)
- KP2: Goals and behinds per game (bar)
- KP3: Tackles, marks, hit outs per game (bar)
- P4: Experience influence on goal accuracy (scatter)

##### d. Player comparison

- P5: Comparison of players within the same position (bar)
- P6: Player accuracy based on clangers stats (scatter)
- P7: Player based on marks

##### e. Team performance

- KT1-3: Total disposals (total, handballs, kicks) (bar) + avg disposals (line)
- T4-5: Total scores scored by each team (bar)
- T6: Offensive vs defensive efficiency (scatter)

#### 3. Venue section

##### a. Attendance metric

- i. KG1: Total Attendance (bans)
- ii. KG2: Avg attendance per game (bans)
- iii. G3: Relationship between stadium conditions and attendance (scatter)
- iv. G4: Relationship between stadium conditions and performance (scatter)

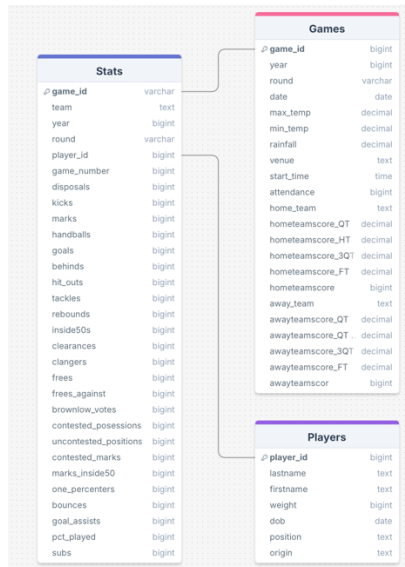
Choosing the right charts

Choose colour theme

## STEP 2: Data Source

Connect data – Dataset retrieved using SQL, then loaded to tableau

Create data model – one-to-one model



Rename fields and tables

Check data types

Understand data

## STEP 3: Start building charts

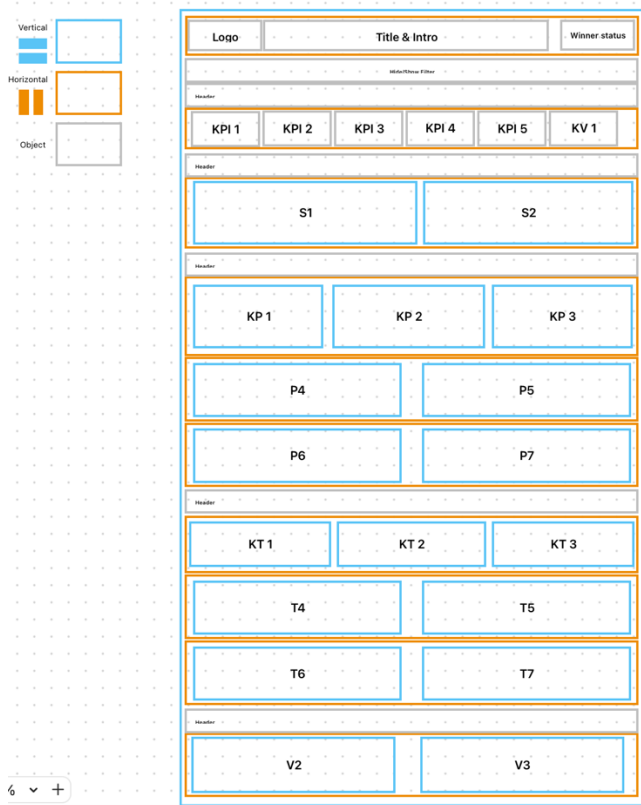
Create calculated fields & test them before using

Build chart

Format (remove lines/grids, clear up axis, colour, tooltips)

## STEP 4: Build dashboard

Draw mock-up for container



Create container structure

Put all charts together

Format

- Distribute object evenly
- Formatting
- Fit “entire view”
- Add legends
- Add spaces

Add filters & dynamics

Add icons

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