



The visualizations in this report were generated using SQL queries executed through a Jupyter Notebook connected to a PostgreSQL database. The API dataset was used to identify star players by applying thresholds to PER, win shares, and box plus/minus, while the ESPN web-scraped dataset provided team win totals. Key queries included calculating star player distribution per season, analyzing the relationship between number of stars and win percentage, grouping stars by win tier (high/mid/low), and measuring win improvement from 2022 to 2025. The resulting dataframes were visualized using POPSQL and Excel to produce bar charts, a pie chart, and a clustered column chart.