

Project Title: NBA 2019 – 2020, a season to be remembered

Email: szhao@dons.usfca.edu

Web page: <https://siyuericzhao.github.io/aseasontoremember/>

Overview:

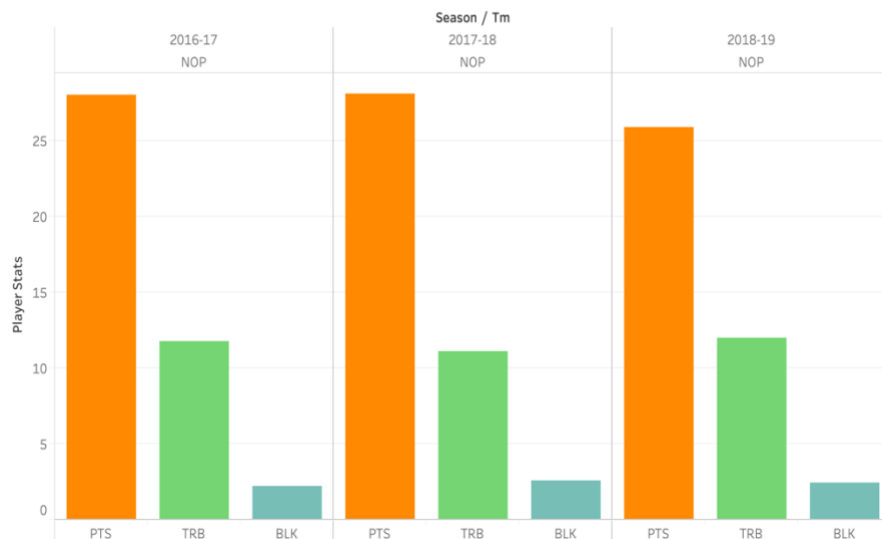
Because of the COVID pandemic, 2020 has been a challenge year for the whole world. As an NBA basketball fan for more than 15 years, I can't help but notice the NBA league has also experience unprecedented challenges during the year 2020. Starting with the death of former NBA commissioner David Stern who passed away on Jan 1 at the age of 77, former Laker super star Kobe Bryant was killed along with his 13-year-old daughter Giana and 7 others in a helicopter crash. After months of suspension of the NBA season due to COVID, the NBA finally reopens and ended after 355 days, the longest in NBA history. Thus, I would like to use some data visualization to provide an overview and share some highlights and memorable moments of this unforgettable season.

Completed Features:

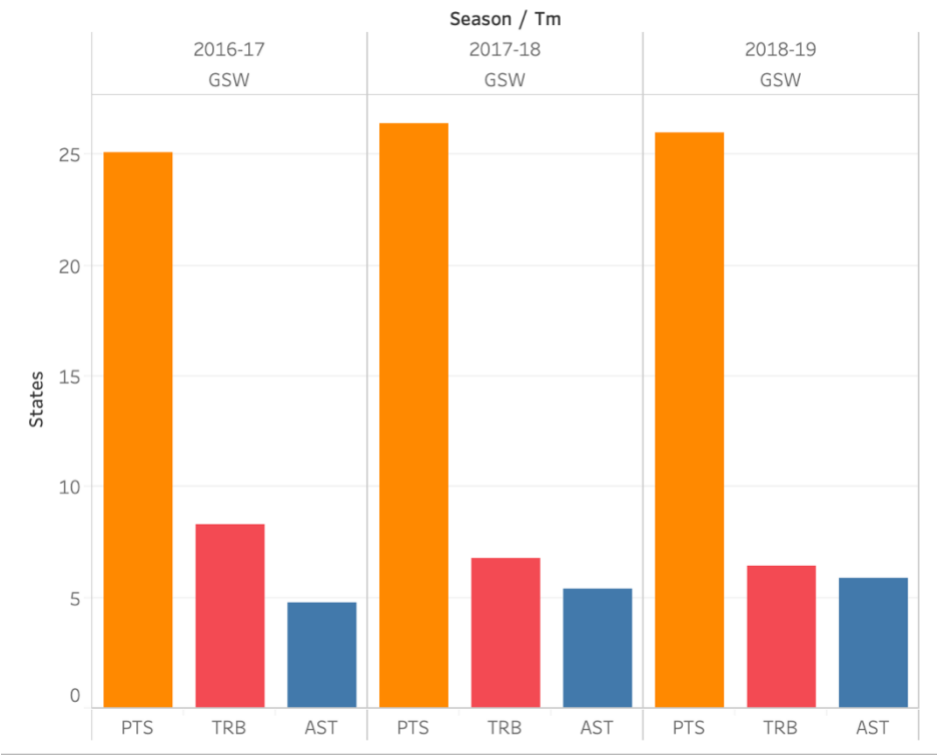
Collected Data for page1, page2 and page5(Kobe Bryant Exclusive Page).

- During the 2019 off-season, multiple teams in the NBA league have made some key personnel changes. The first page includes the personal statistics for three new team leaders Anthony Davis (LA Lakers), Kawhi Leonard (LA Clippers) and Kevin Durant (Kevin Durant). The data included their personal statistics per game for the past three seasons. The following are the three graphs created using Tableau.

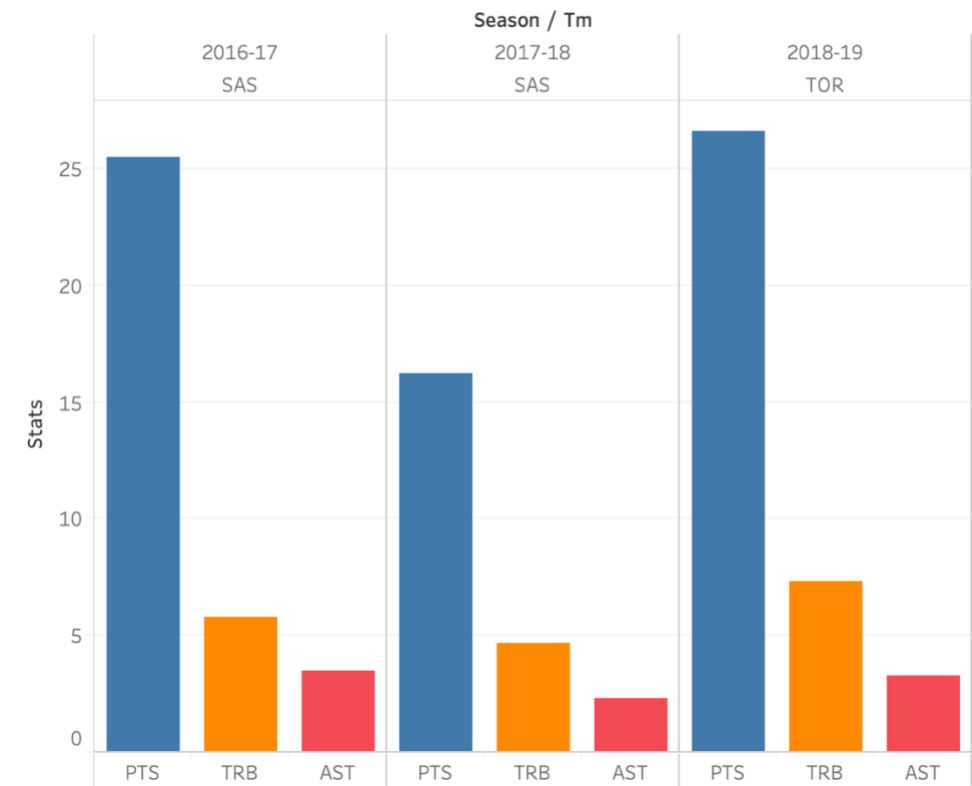
Anthony Davis Player Stats 2016-2019



Kevin Durant Player States 2016-2019

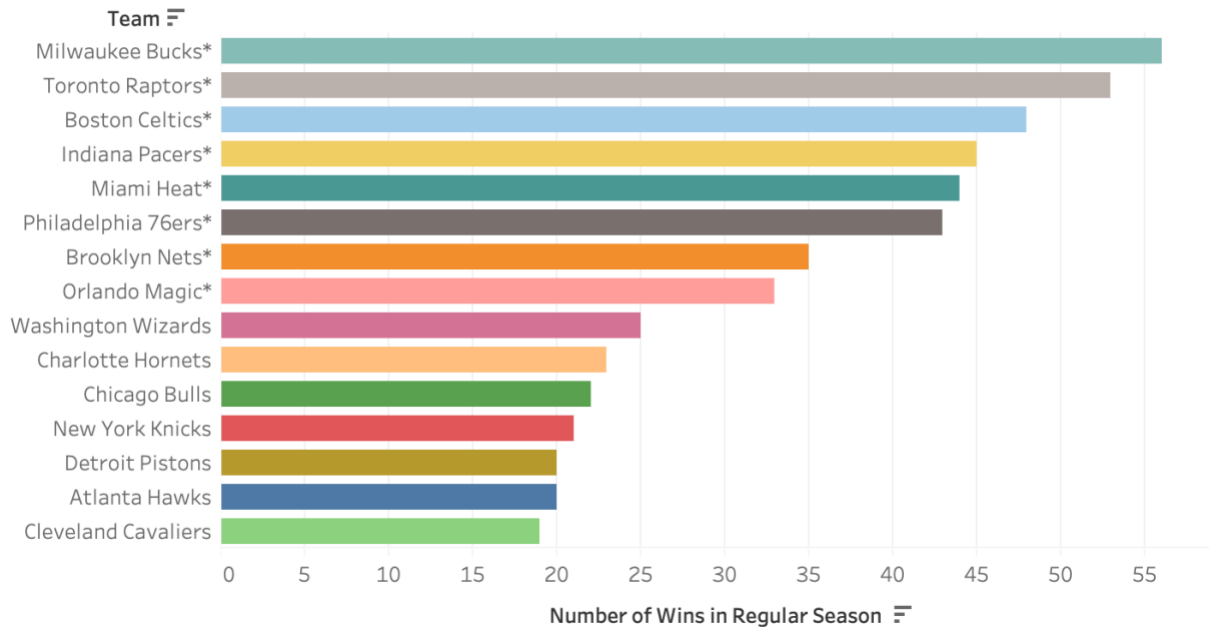


Kawhi Leonard Player Stats 2016-2019

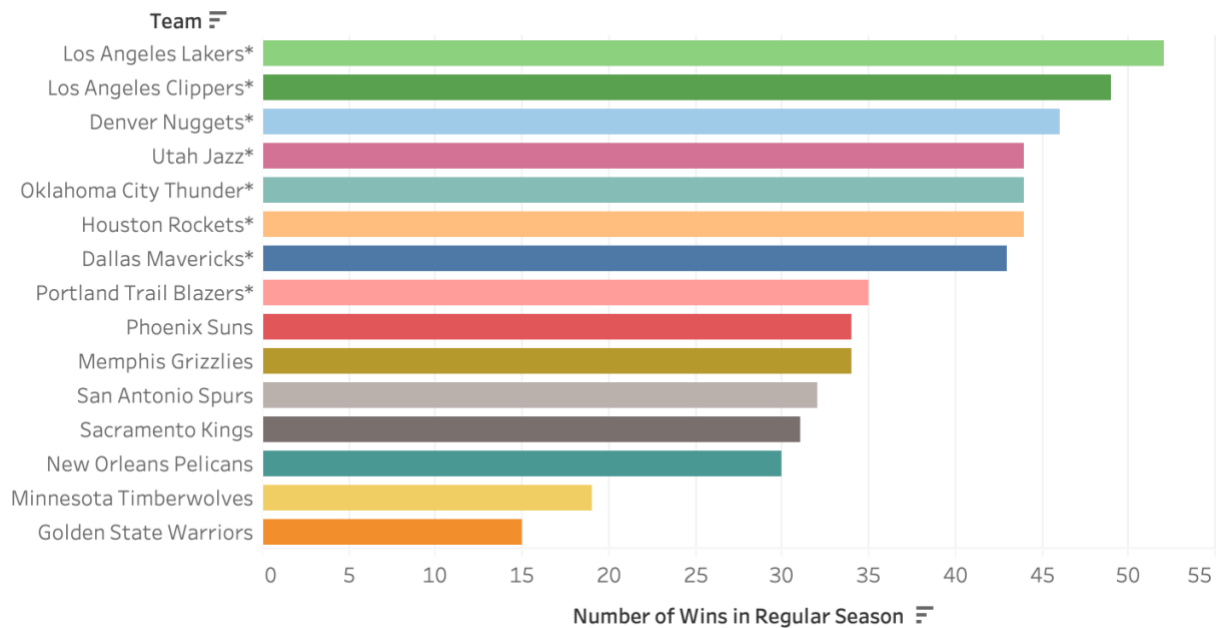


-Page2. For page 2, my plan was to make a bar chart race that shows how many wins did each team get during the course of the regular season and each team's standing at a specific time point. Bar charts are split to two conferences, the east and the west. As for now, I have the data and the graph picture shows the completed form of the bar chart race in Tableau.

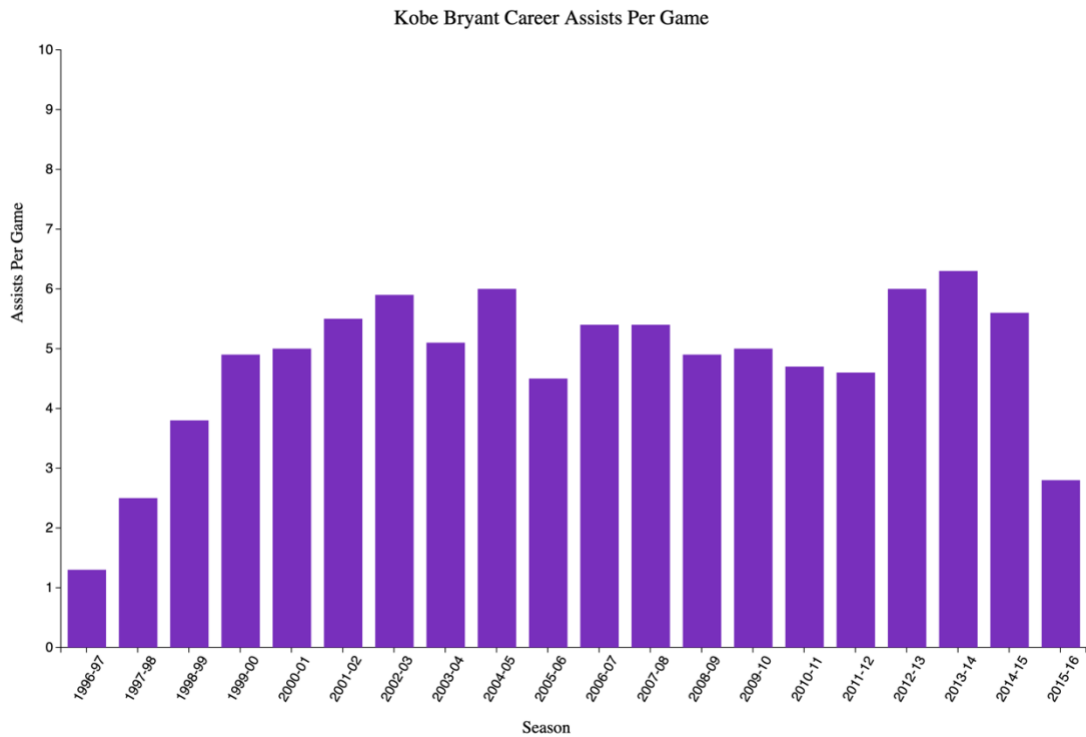
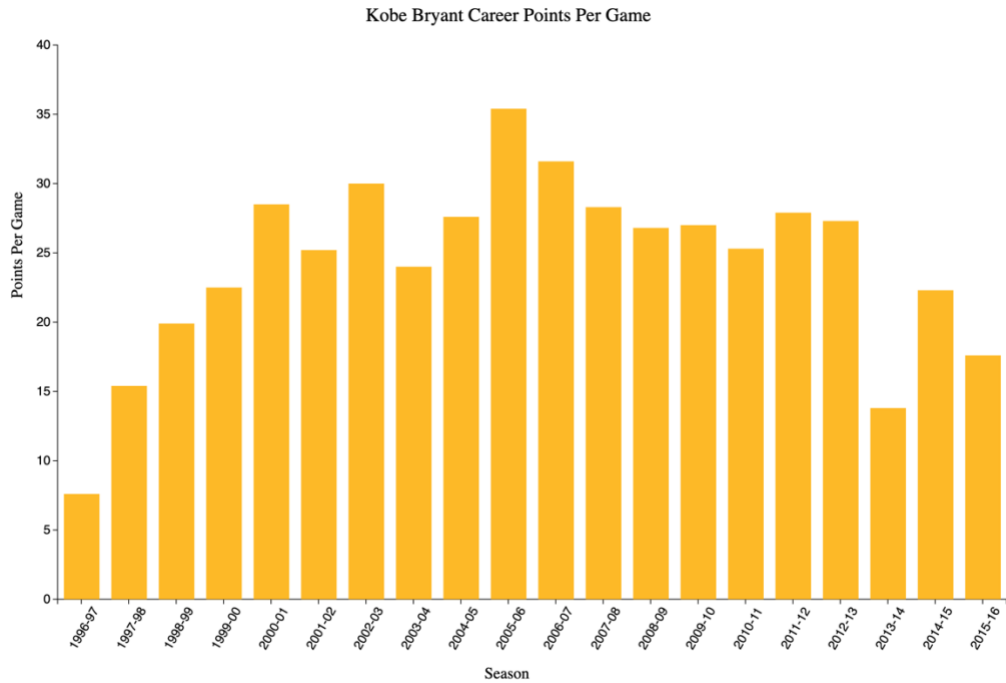
Eastern_Conference_Teams



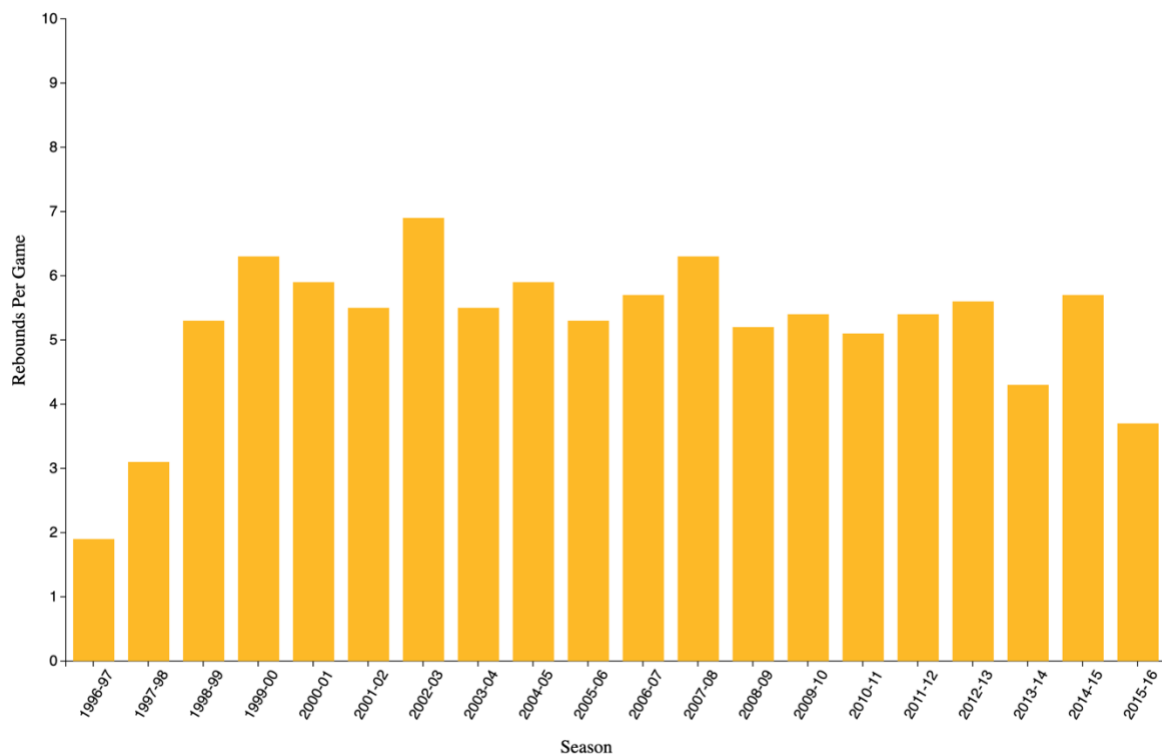
Western_Conference_Teams



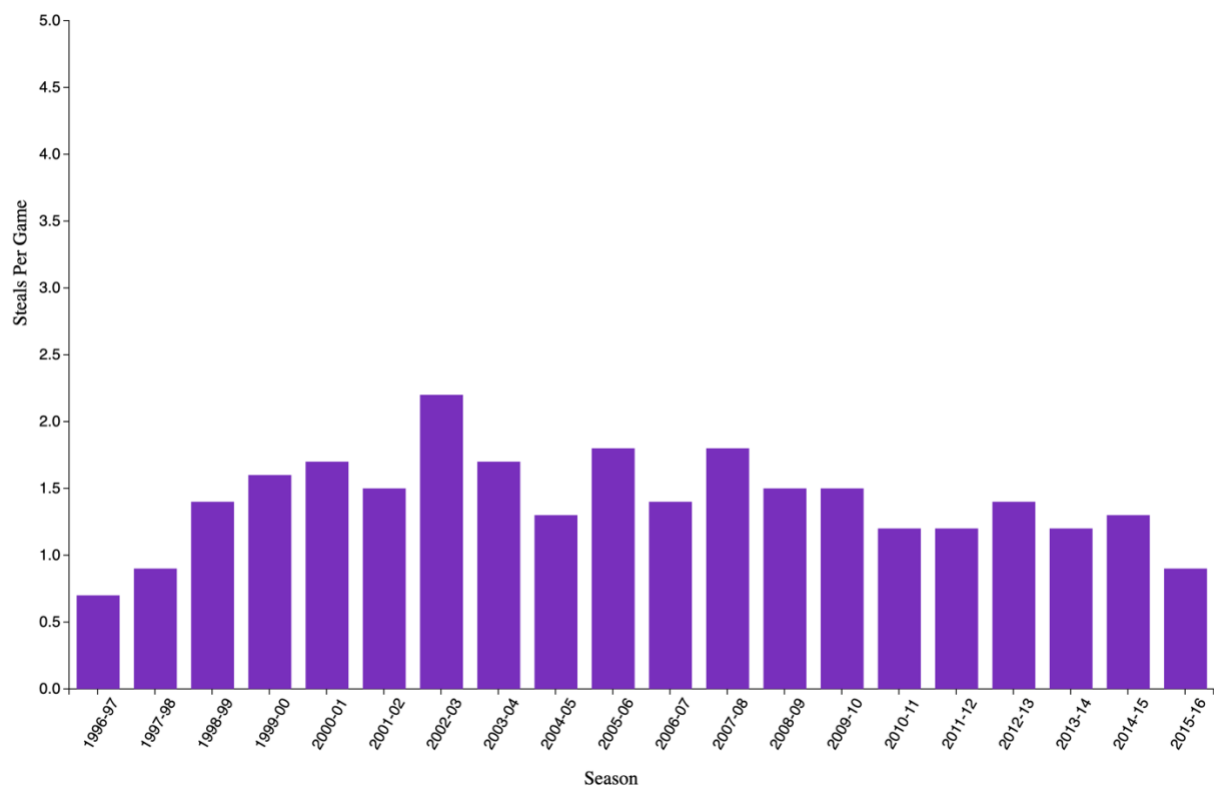
-Page5. This page is Kobe Bryant Personal Exclusive page. For this page, I collected Kobe's career statistics for 20 years. Below are graphs made using D3. In future, these 4 separate graphs will be combined into one page along with interactive features added.



Kobe Bryant Career Rebounds Per Game



Kobe Bryant Career Steals Per Game



Upcoming immediate milestones

Finish page 1, 2(without interaction).

For page1, since we never did any assignments that involves side by side bar charts, it might take some time to learn and implement this using D3. This will be my focus for next week.

For page2, my goal is to implement a bar chart race that shows the number of wins during the regular season for all the 30 team in the NBA thus provide a better visualization for the viewer to understand how each team in doing during different stage of the season.

Roadblocks

-First of all, as stated above, the side-by-side bar charts takes some time to figure out since we have to group three separate bar chars into a single bar chart.

-Second, we have only practiced implementing bar chart race using P5 but never in D3. Therefore, this might be somewhat challenging and will definitely take some time. Also, for the bar chart race, gathering specific data for team wins over the whole regular season, especially daily data or weekly data is definitely challenging and requires a lot of effort.