

Work In Progress Report: 2022 NHL Statistics

Dataset

The dataset comprised of NHL player statistics for the 2022-2023 season so far (About 20 games at the time of this report). The data was collected from the website Hockey Reference at the URL [2022-23 NHL Skater Statistics | Hockey-Reference.com](https://www.hockey-reference.com/leagues/nhl/2022-23/NHL-Skater-Statistics). The dimensions of the data are 28 columns by 750 rows.

$$(28 * 4) * (750/100) = 840$$

$$840 \geq 100$$

Story

Statistics is a great tool in sports to analyze performance and gain insights on a team or players. Visualizing these statistics will allow one to determine which players are having the greatest impact on the 2022 season so far at a glance.

Audience

Not only do teams, players, and coaches care about these statistics, but fans of the sport of ice hockey do as well. Fantasy sports also has become a big industry, so fantasy users who want to have the best players on their team will also benefit from this information.

Questions

- 1) What Players lead the league in points, goals, and assists?
- 2) What team has the group of players with the greatest number of points?
- 3) What are the point distributions by position group?
- 4) What team has the best aggregated plus/minus?

2022-2023 NHL Statistics (So Far)

Poster Story. Sentences providing context for the poster.

Data Description

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Motivation for the poster

Boxplot chart for points

Boxplot chart for goals

Boxplot chart for assists

Which players have the most points, goals, and assists?

Bar plot for points by top players

Bar plot for goals by top players

Bar plot for assists by top players

Which team has the most points among its players?

Line graph for teams and their aggregated points for their players.

Description of line graph, and which team has the most points among its players.

What are the points distributions by position group?

Pie chart for sum of points by position group

Description of Pie Chart

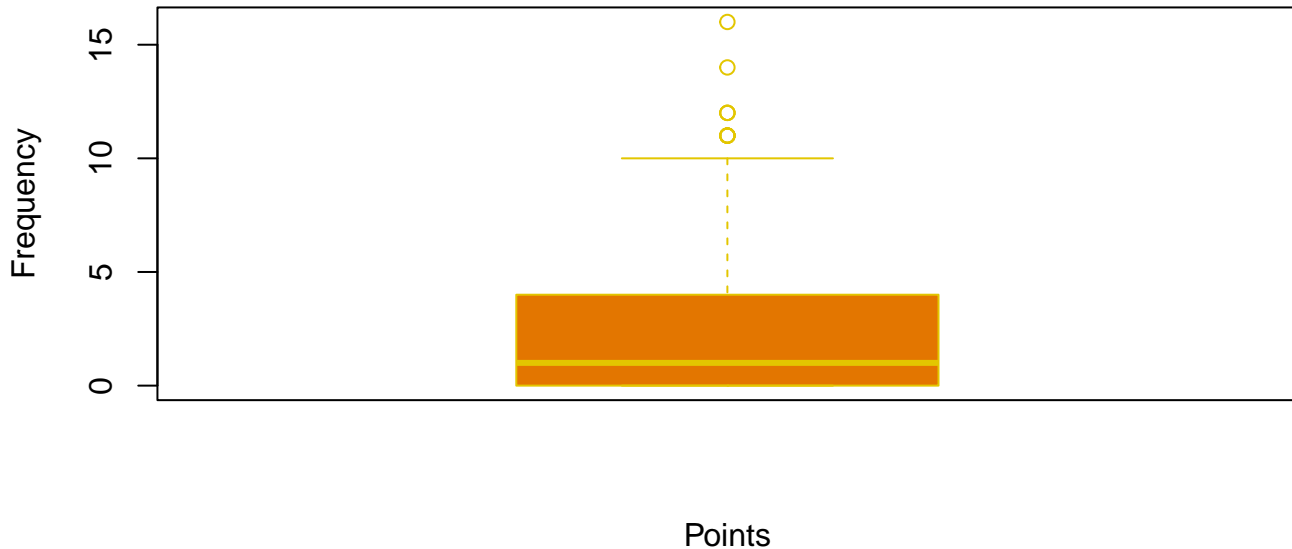
What team has the best aggregated plus/minus?

Chart for plus/minus

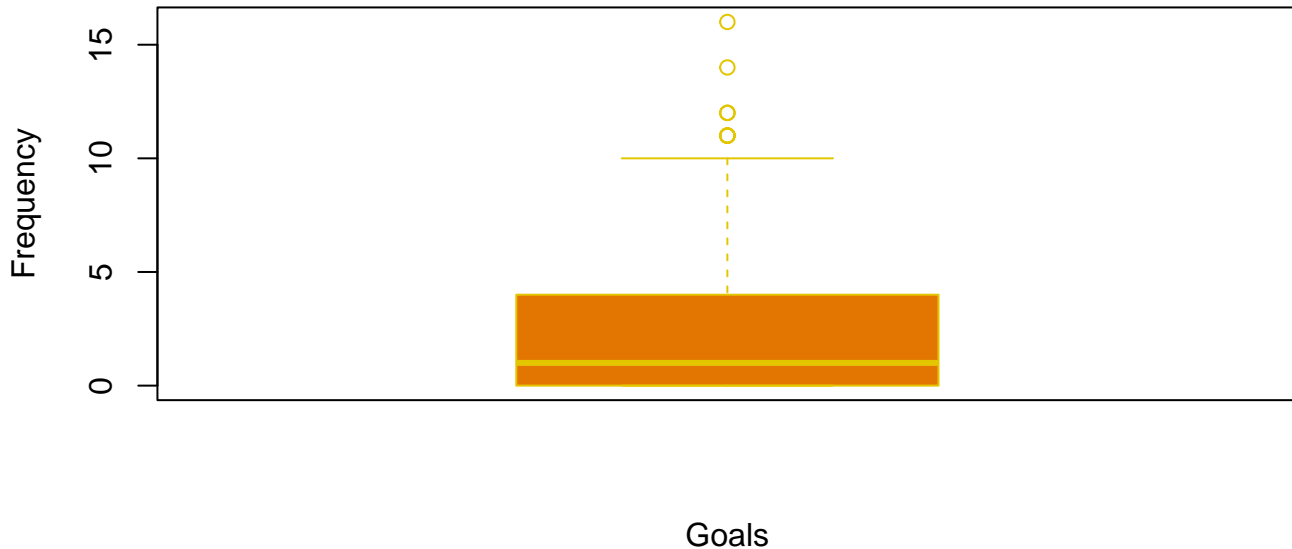
Description of plus/minus chart

Sources

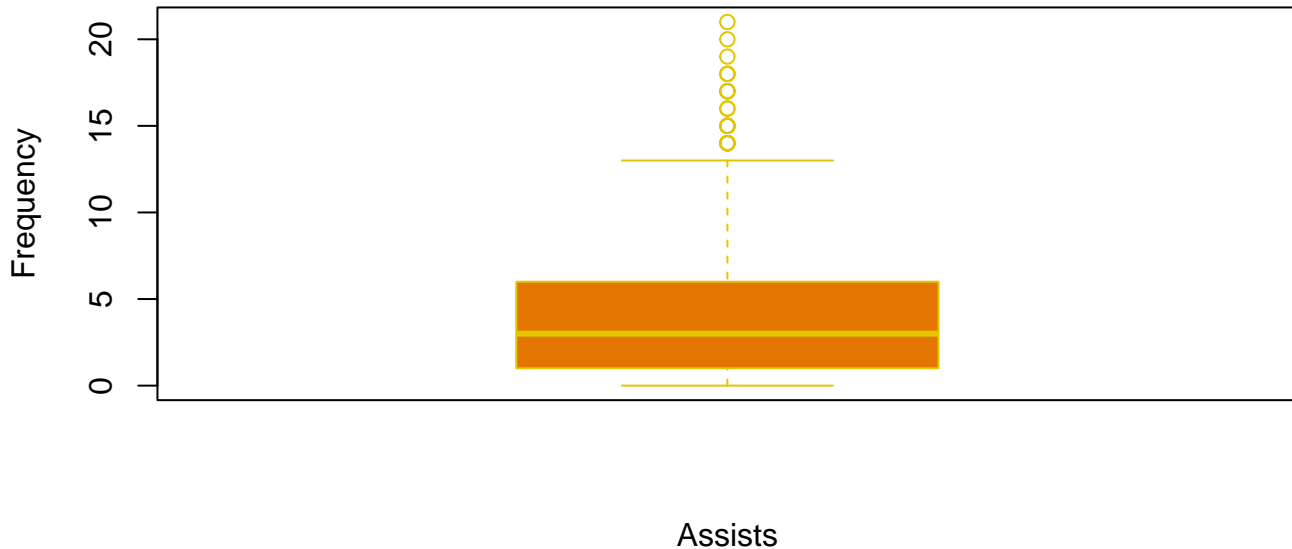
NHL Points Distribution



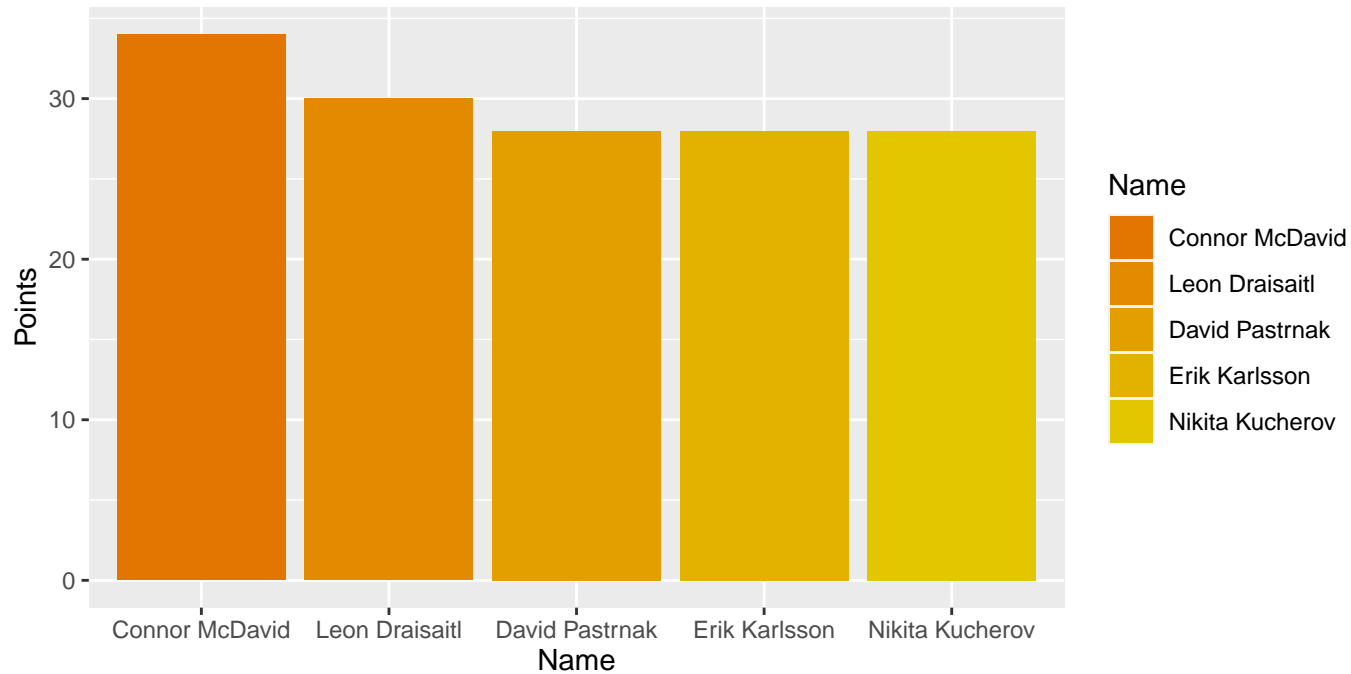
NHL Goals Distribution



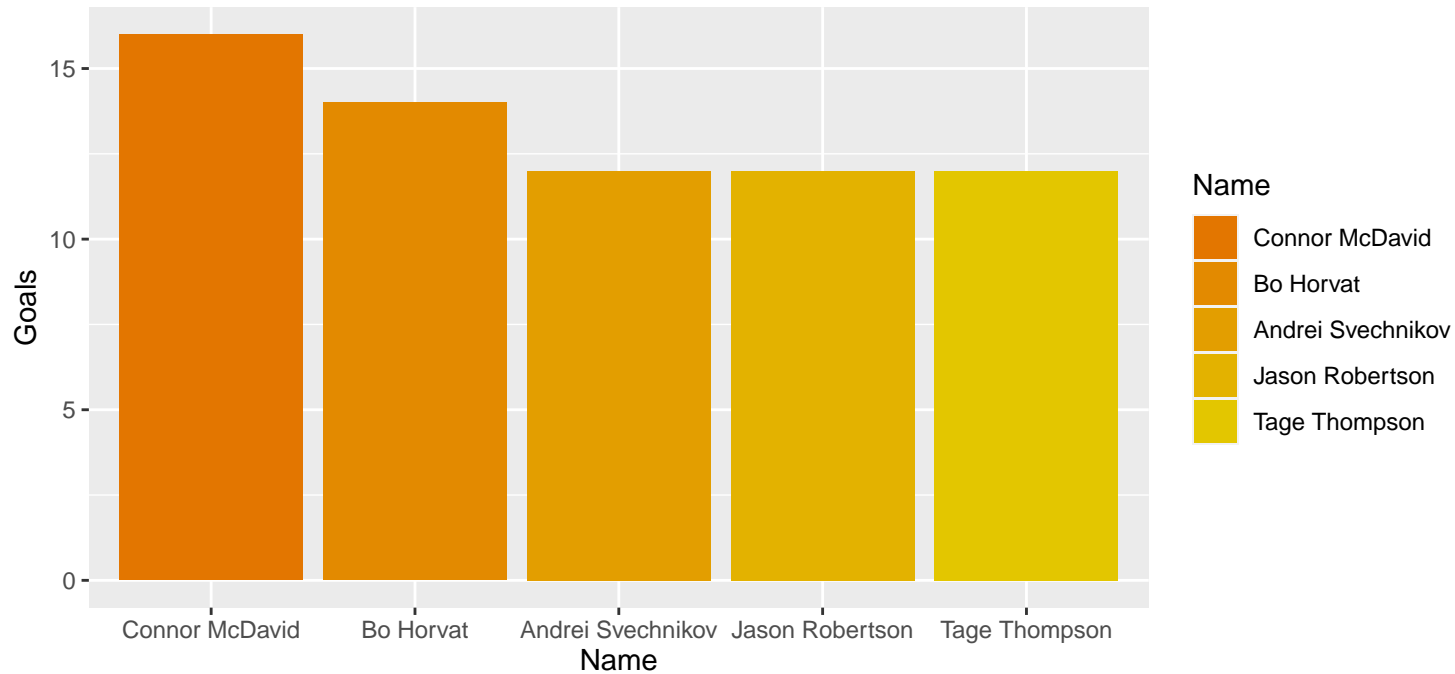
NHL Assists Distribution



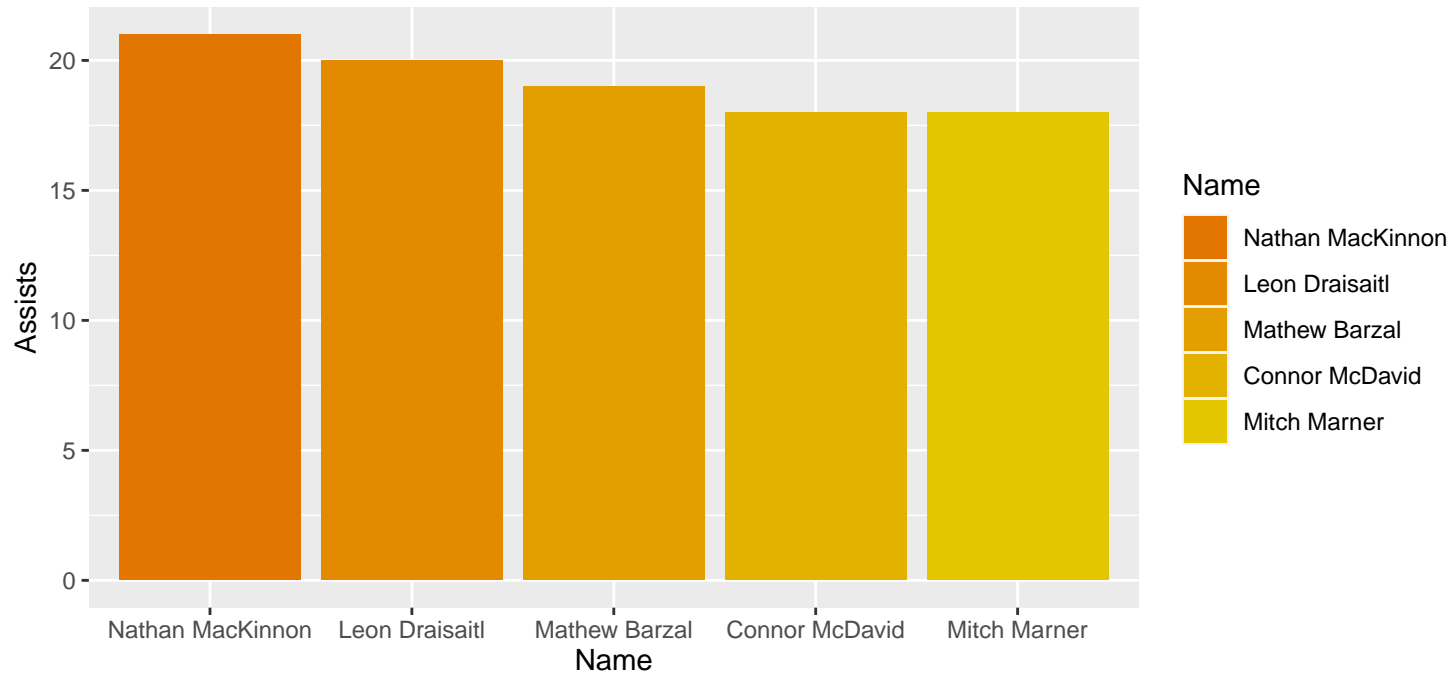
Top 5 Players By Points



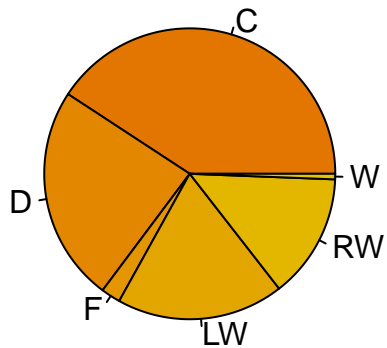
Top 5 Players By Goals



Top 5 Players By Assists



Points by Position



Top teams by player points

