



The Rise of Soccer in America: MLS 1996-2020

Exploration of Teams, Players, & Seasonal Outcomes

IST 719

Jainee Pravin Parmar

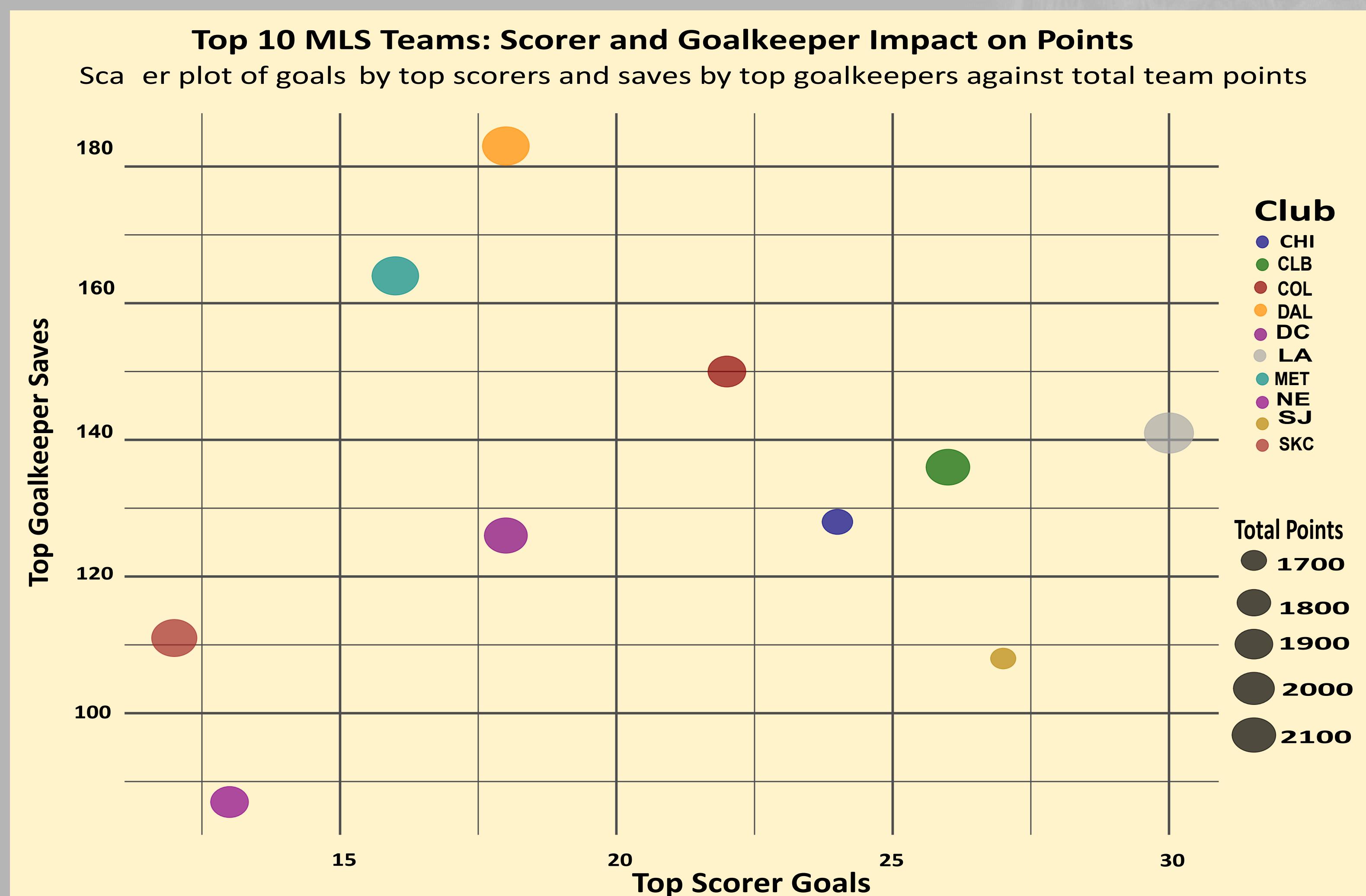
Poster Story: Explore the journey of Major League Soccer as it grew from its beginnings to big wins, featuring exciting matches and standout players, from 1996 to 2020.

Motivation: Fans and sports enthusiasts alike will find value in examining the connection between individual player achievements and team success in MLS.

27

MLS TEAMS
(1996-2020)

How do the performances of top scorers and goalkeepers across all teams correlate with their clubs' total points?



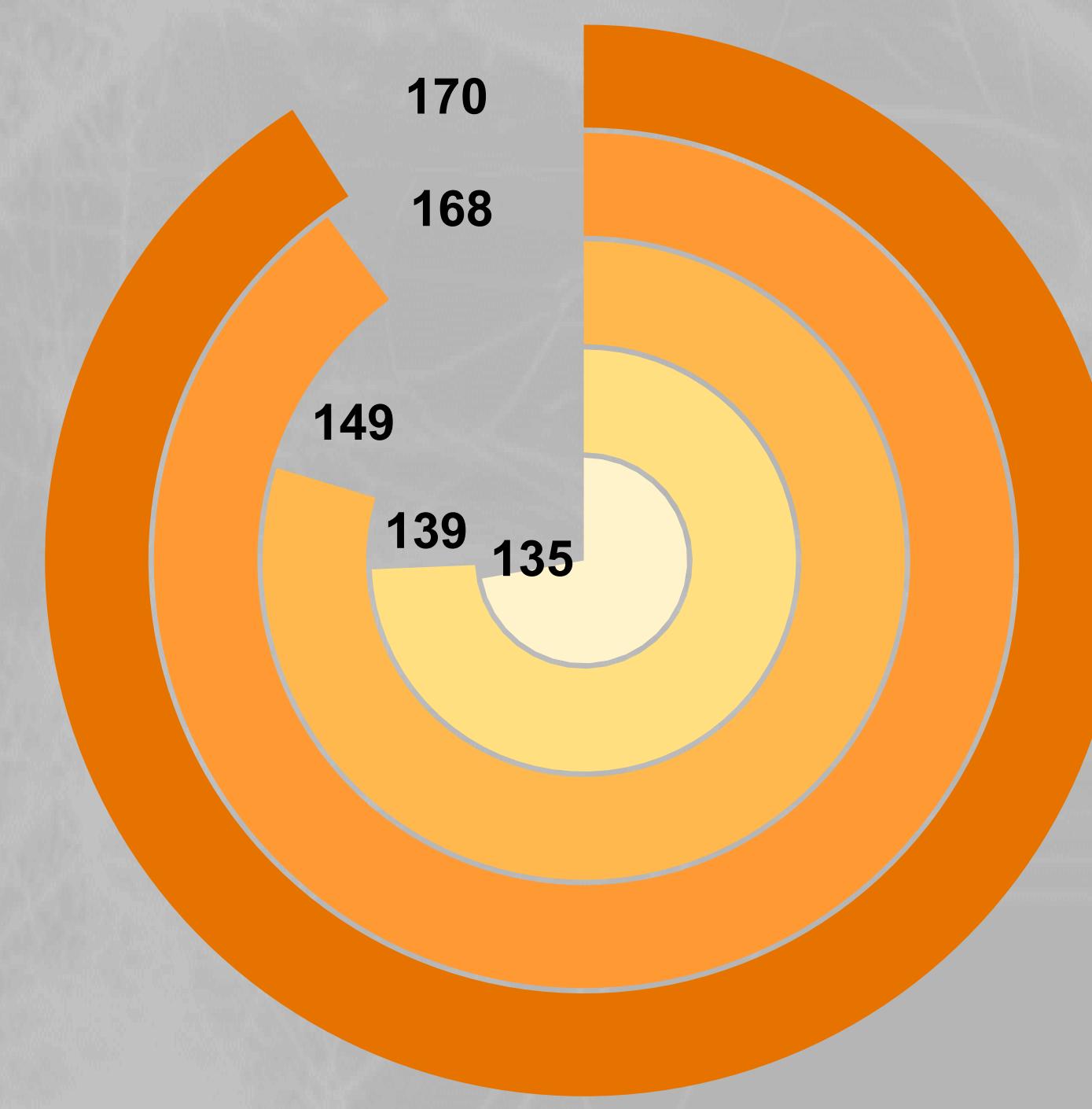
The scatter plot indicates a positive correlation between the goals scored by top scorers and the saves made by top goalkeepers across all teams with their clubs' total points. Teams with higher numbers of goals and saves tend to accumulate more points, suggesting that both offensive and defensive strengths significantly contribute to the overall success of the clubs.

Data Description: The datasets provided include comprehensive soccer statistics:

`all_goalkeepers.csv` (2,006 rows, 19 columns, 1524 score) details goalkeeper metrics per season;
`all_players.csv` (15,767 rows, 28 columns, 17659 score) contains broader player data including goals and assists;
`final_table.csv` (734 rows, 13 columns, 381 score) summarizes league standings per season.
All files are structured and ready for analysis.

Who are the top 5 scorers and goalkeepers who have made the most impact on their teams' standings through goals and saves in MLS?

Top 5 Goal Scorers in MLS



18.8K

GOALS SCORED IN MLS (1996-2020)

Player

- Kei Kamara - COL / MIN - 135 Goals
- Jeff Cunningham - CLB / DAL / RSL / COL - 139 Goals
- Jaime Moreno - DC / MET - 149 Goals
- Chris Wondolowski - SJ - 168 Goals
- Landon Donovan - LA / SJ - 170 Goals

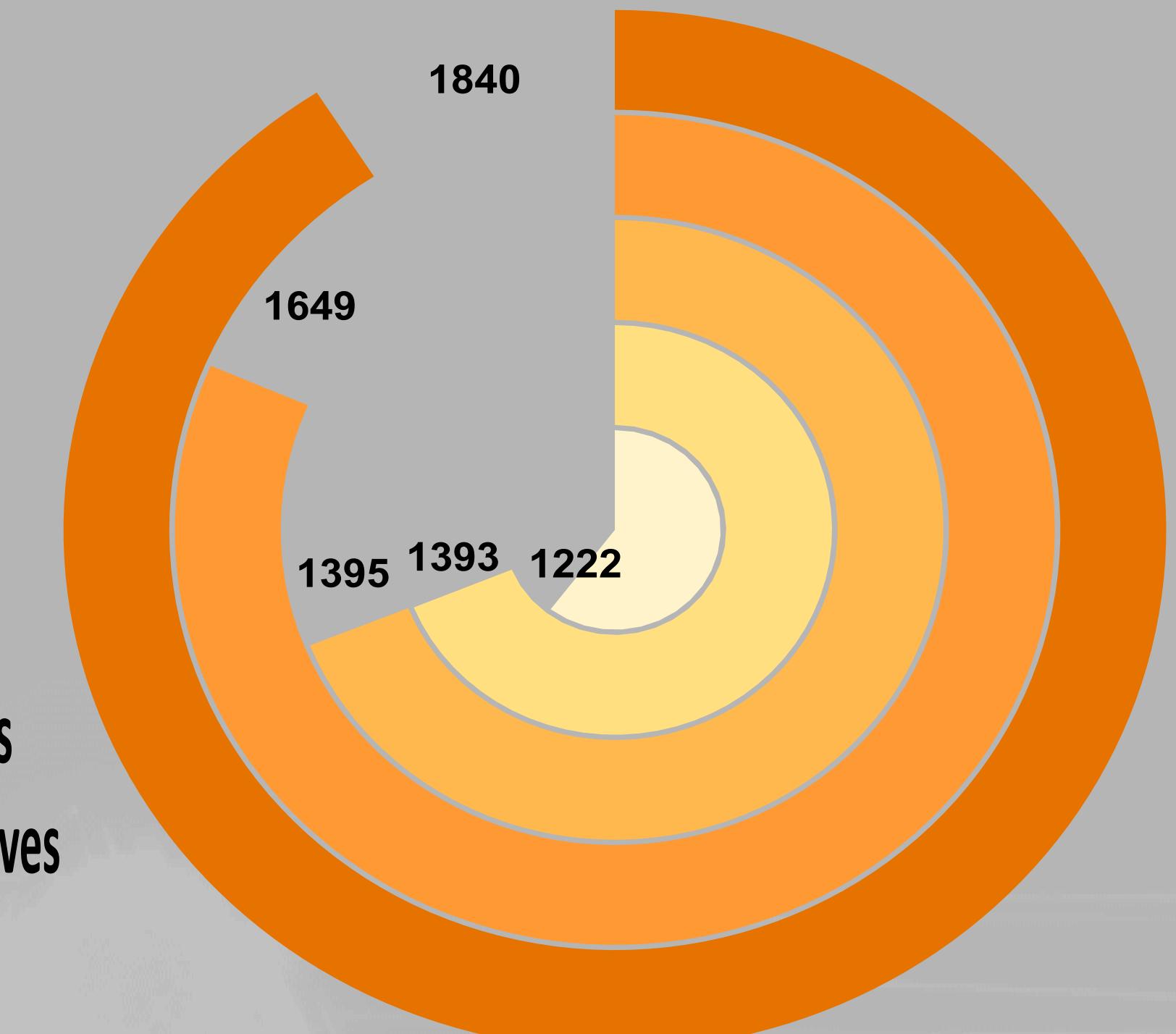
Top 5 Goalkeepers by Saves in MLS

46.7K

GOALS SAVED IN MLS (1996-2020)

GK

- Jon Busch - SJ / CLB / CHI / COL - 1222 Saves
- Tony Meola - MET / KC / NY - 1393 Saves
- Joe Cannon - SJ / COL / VAN / LA - 1395 Saves
- Kevin Hartman - LA / KC / DAL / NY - 1649 Saves
- Nick Rimando - RSL / DC / MIA - 1840 Saves



Which five teams have won the most MLS championships, and during what years did they claim their titles?

22.5K

YELLOW CARDS IN MLS (1996-2020)

Five Teams with the most Yellow Cards:

1. CHI - 1493
2. CLB - 1308
3. COL - 1225
4. DAL - 1203
5. DC - 1135

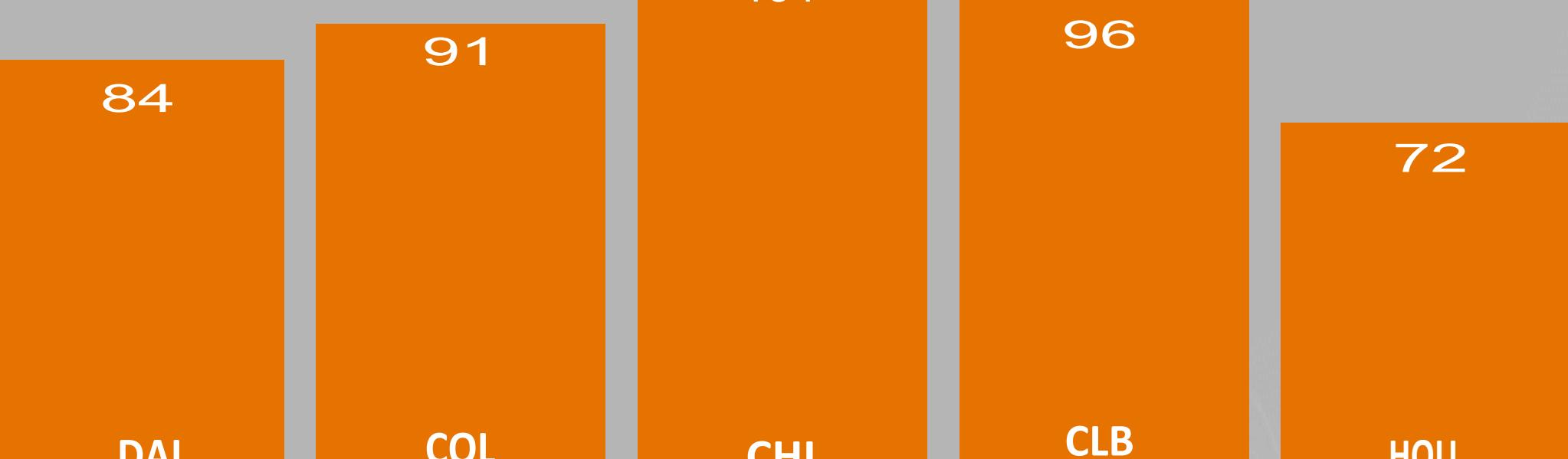
Five Players with the most Yellow Cards:

1. Kyle Beckerman (RSL) - 123
2. Diego Chara (POR) - 87
3. Jeff Larentowicz (ATL) - 71
4. Osvaldo Alonso (MIN) - 66
5. Marco Etcheverry (DC) - 63

Top 5 Teams and 5 Players with the Highest Red Cards

1.5K

RED CARDS IN MLS (1996-2020)



Five Teams with the most Red Cards:

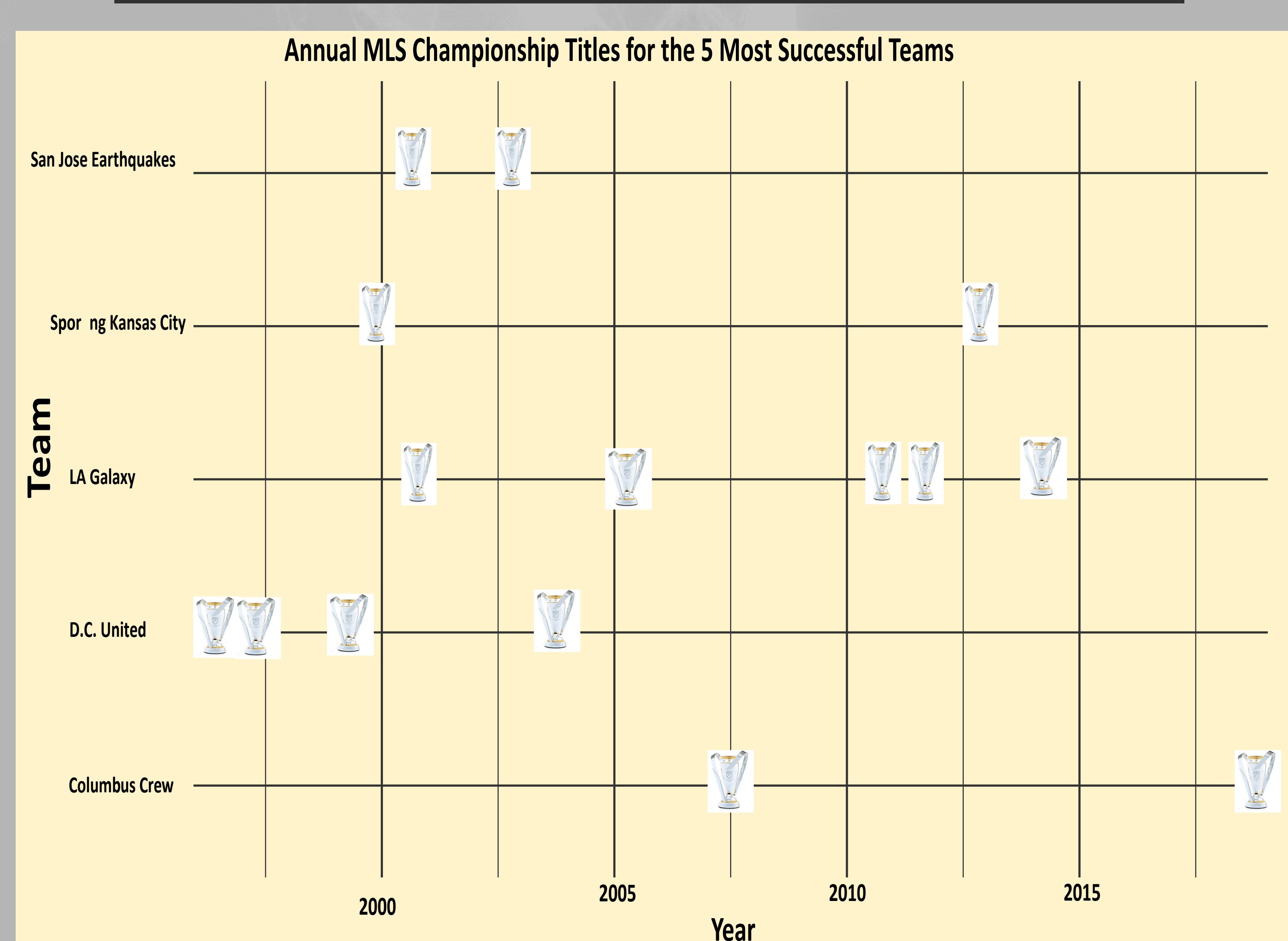
1. CHI - 104
2. CLB - 96
3. COL - 91
4. DAL - 84
5. HOU - 72

Five Players with the most Red Cards:

1. Roger Espinoza (SKC) - 11
2. Jámison Olave (RSL) - 9
3. Leonel Alvarez (DAL) - 7
4. Kyle Beckerman (RSL) - 7
5. Jaime Moreno (DC) - 6

Team Names with their Abbreviations:

Tampa Bay Mutiny (TB) | D.C. United (DC) | New York Red Bulls (MET) | Columbus Crew (CLB) | New England Revolution (NE) | LA Galaxy (LA) | FC Dallas (DAL)
Sporting Kansas City (SKC) | San Jose Earthquakes (SJ) | Colorado Rapids (COL) | Inter Miami CF (MIA) | Chicago Fire FC (CHI) | Real Salt Lake (RSL) | Chivas USA (CHV)
Houston Dynamo FC (HOU) | Toronto FC (TOR) | Seattle Sounders FC (SEA) | Philadelphia Union (PHI) | Portland Timbers (POR) | Vancouver Whitecaps FC (VAN)
CF Montréal (MTL) | Orlando City (ORL) | New York City FC (NY) | Atlanta United (ATL) | Minnesota United (MIN) | Los Angeles FC (LAFC)



LA Galaxy: 2002, 2005, 2011, 2012, 2014

Columbus Crew: 2008, 2020

Sporting Kansas City: 2000, 2013

Data Source Link :

