



Goals, Assists, and Records

The Graphical Story of Messi

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IST 719 Information Visualization

Poster Story:

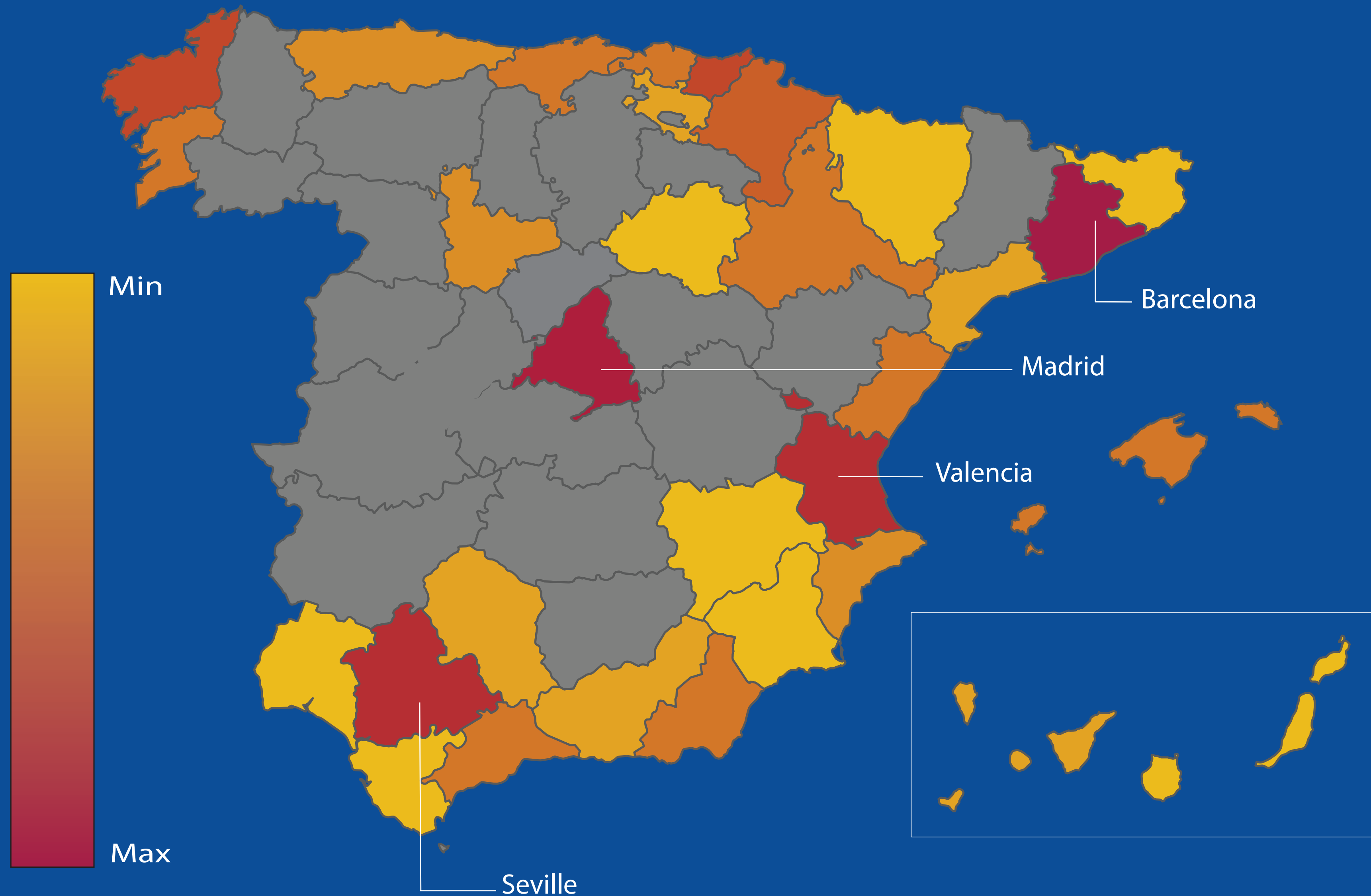
Messi is one of the greatest players to play soccer professionally. This poster aims to offer a comprehensive overview of his career comprising of 17 seasons playing for Barcelona in La Liga, the premier football league in Spain.

Motivation :

The poster is designed for sport analysts, fans of Barcelona and Messi, and new spectators. It shows Messi's prowess in front of goal by visualizing his goalscoring and assists through his career at Barcelona.

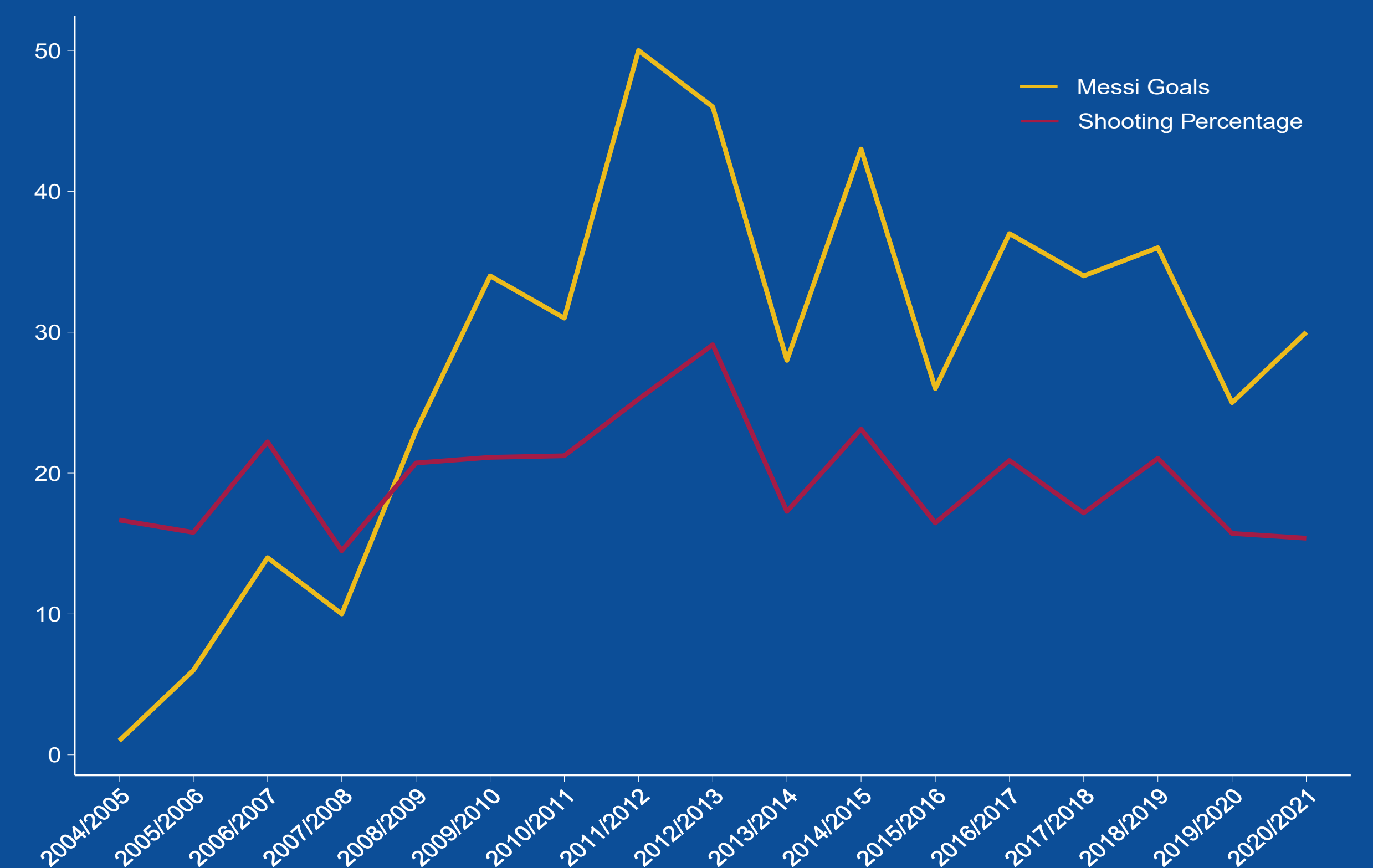
What insights can we glean from Messi's career statistics and performance patterns?

Messi Goal Involvement by Province in Spain

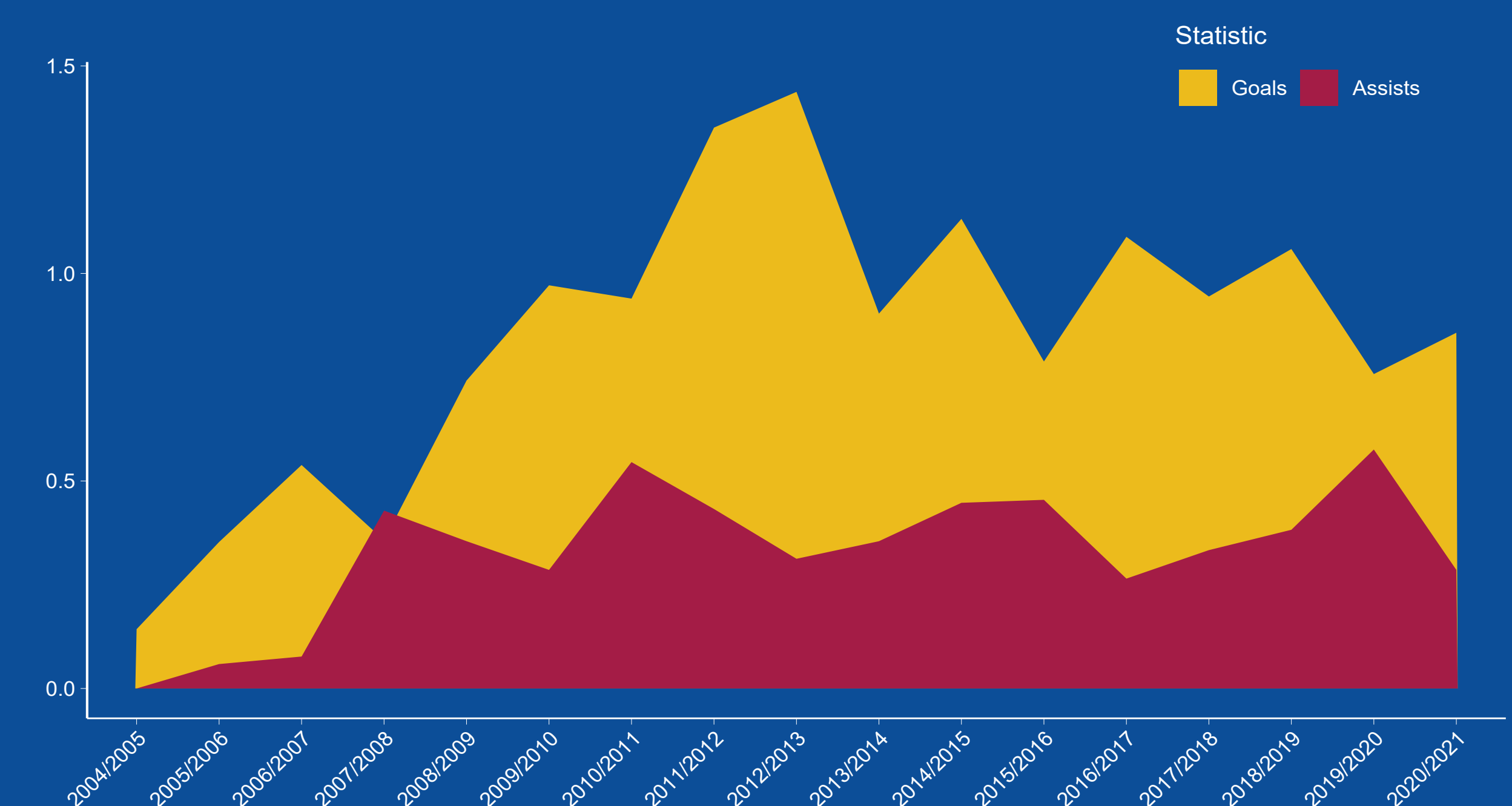


A quick look at the map of Spain shows the amount of involvement Messi had in goals for Barcelona directly by scoring or assisting in different provinces of Spain

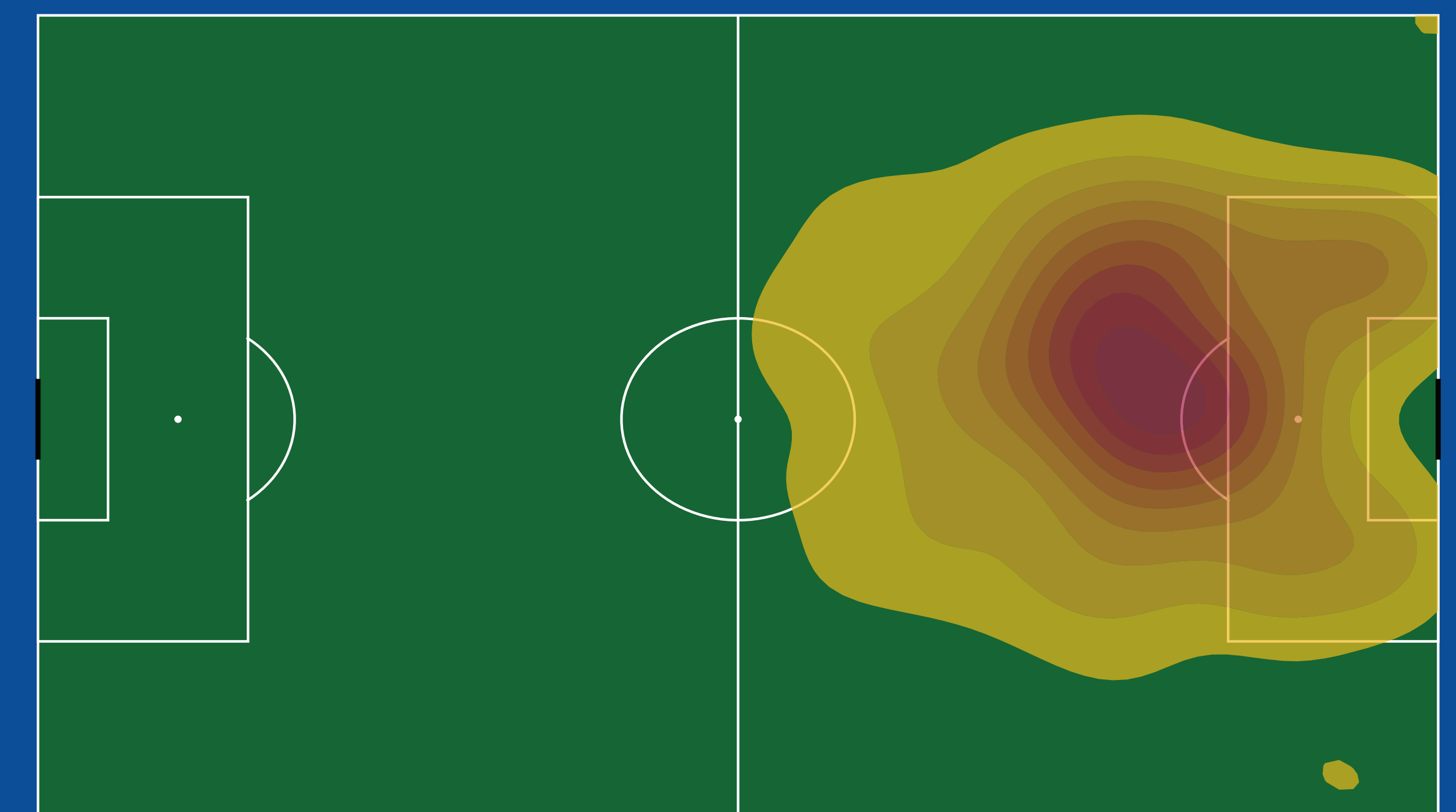
Average Shooting Percentage by Season



Average Goals and Assists by Season

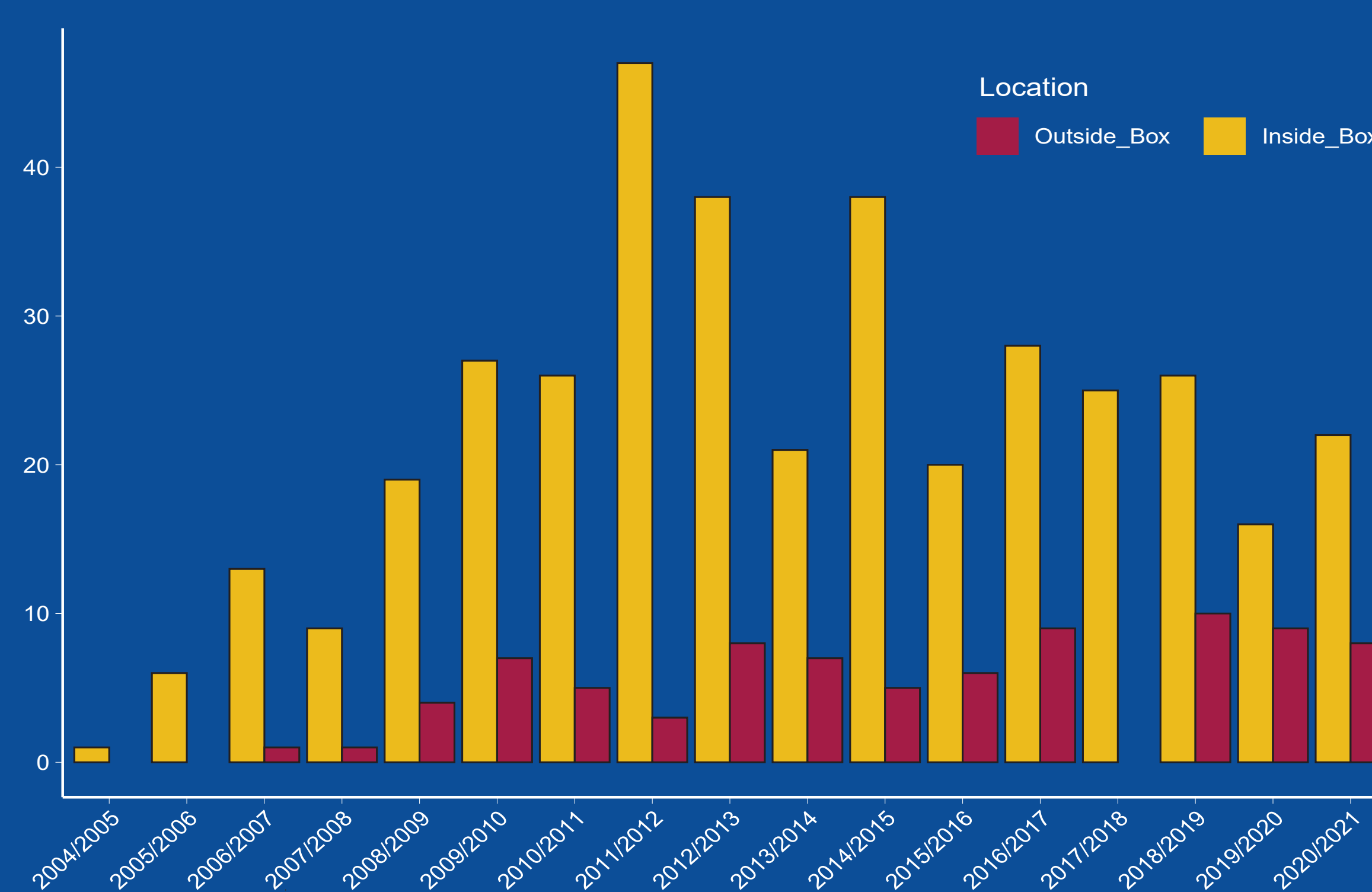


Messi Assists

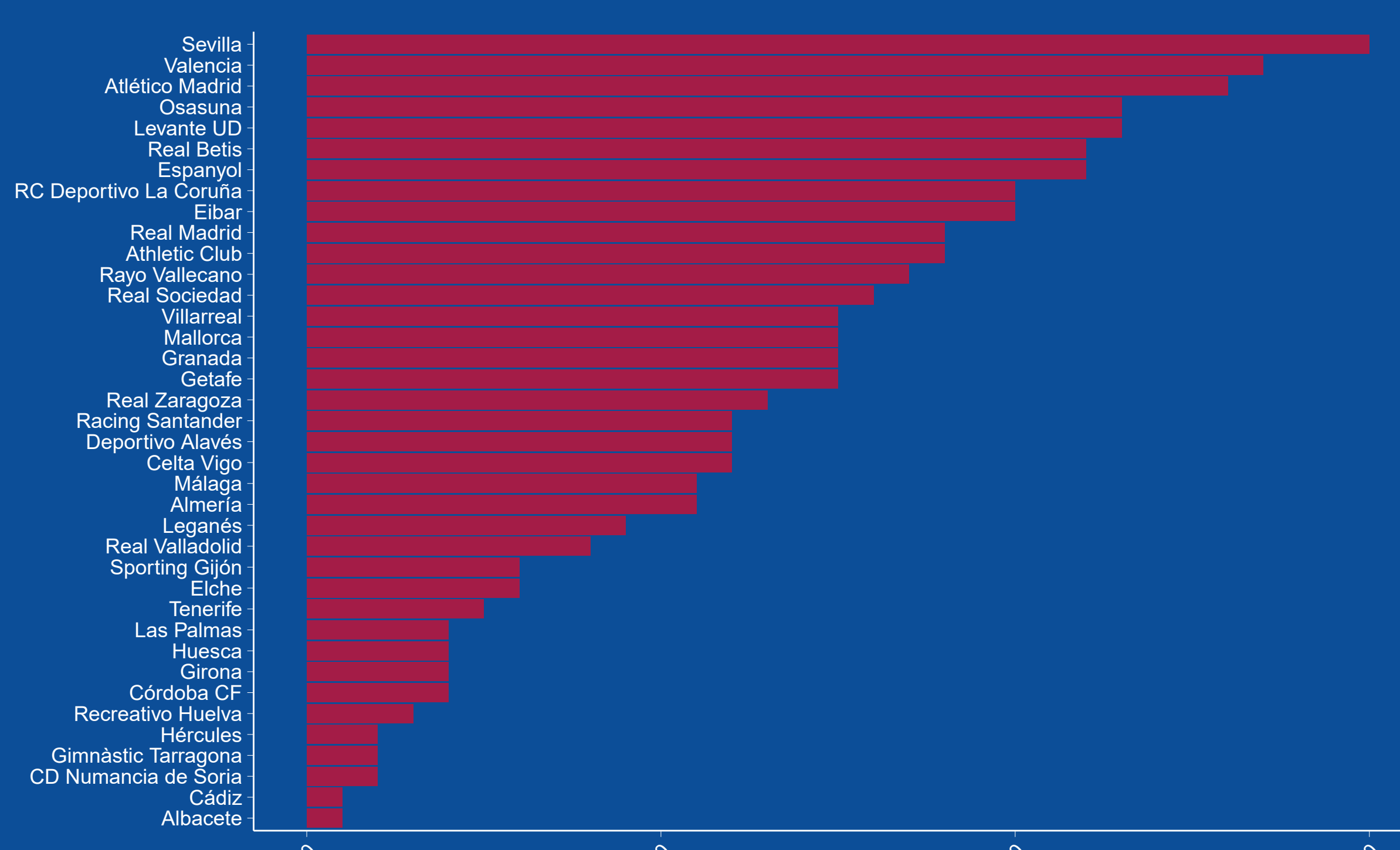


The heatmap displays Messi's ability to not only score freely in the box and also chip in with goals from outside the box.

Goals Inside and Outside Box by Season



Total Goals Scored Against Each Opposition



Messi Goals



The heatmap displays Messi's ability to set up his teammates for goals from almost anywhere in the opposition half.

Data Description

The datasets were sourced from Statsbomb, the events data contained 132,832 rows and 179 columns, and the match data contained 520 rows and 41 columns. The data describes every event and match that Messi was a part of.

Cleaning

During the cleaning process, any match and event that Messi was not part of was removed.

Source

<https://github.com/statsbomb/open-data>

R Libraries Used

StatsBombR, sf, dplyr, ggplot2, rnaturaleart, SBpitch, grDevices, rnaturalearthdata, RColorBrewer

Tools

RStudio, Adobe Illustrator