

INFO^{FOOT}MATION



All the European football players information you need!

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CPSC 547 Project
yanndubs.github.io/Infoftmation/
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Why Tasks

- Enjoy football visualisation and stats (for fans)
- Discover position of players when they scored
- Compare player skills to the average
- Find teams against whom player X scored the most



Why

Static webpages

9 Robert Lewandowski



"" Geb./Alter: 21.08.1988 (28) "" Height: 1.84 m National player: Poland 
Place of birth: Warszawa  Position: Center Forward Internationals / goals: 86 / 43
Nationality: Poland  Consultant: CK Sport

Bayern Munich
1.Bundesliga
Ligahöhe: 1.Liga In the team since:
01.07.2014 Contract until:
30.06.2021


€ 80.00 million
Last updated: 07.02.2017

Size: **1.84 m**

Nationality:  **Poland**

Position: **Striker - Center Forward**

Foot: **right**

Player adviser: **CK Sport**

Current club:  **FC Bayern Munich**

In the team since: **01.07.2014**

Contract until: **30.06.2021**

Last contract extension: **13.12.2016**

Equipment:  **Nike**

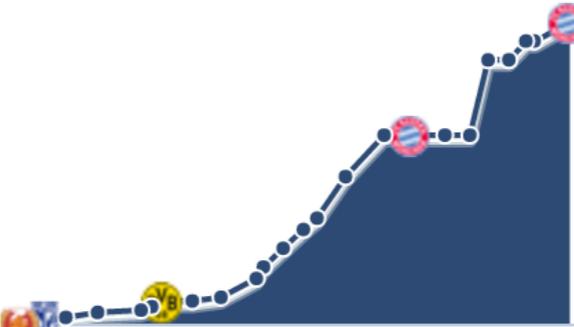
Shoe model: **Hypervenom Phantom DF III**
FG Radiation Flare since 04.02.2017

Detail position



Main position: **Central striker**

Market value development



Current market value: **€ 80.00 million** 

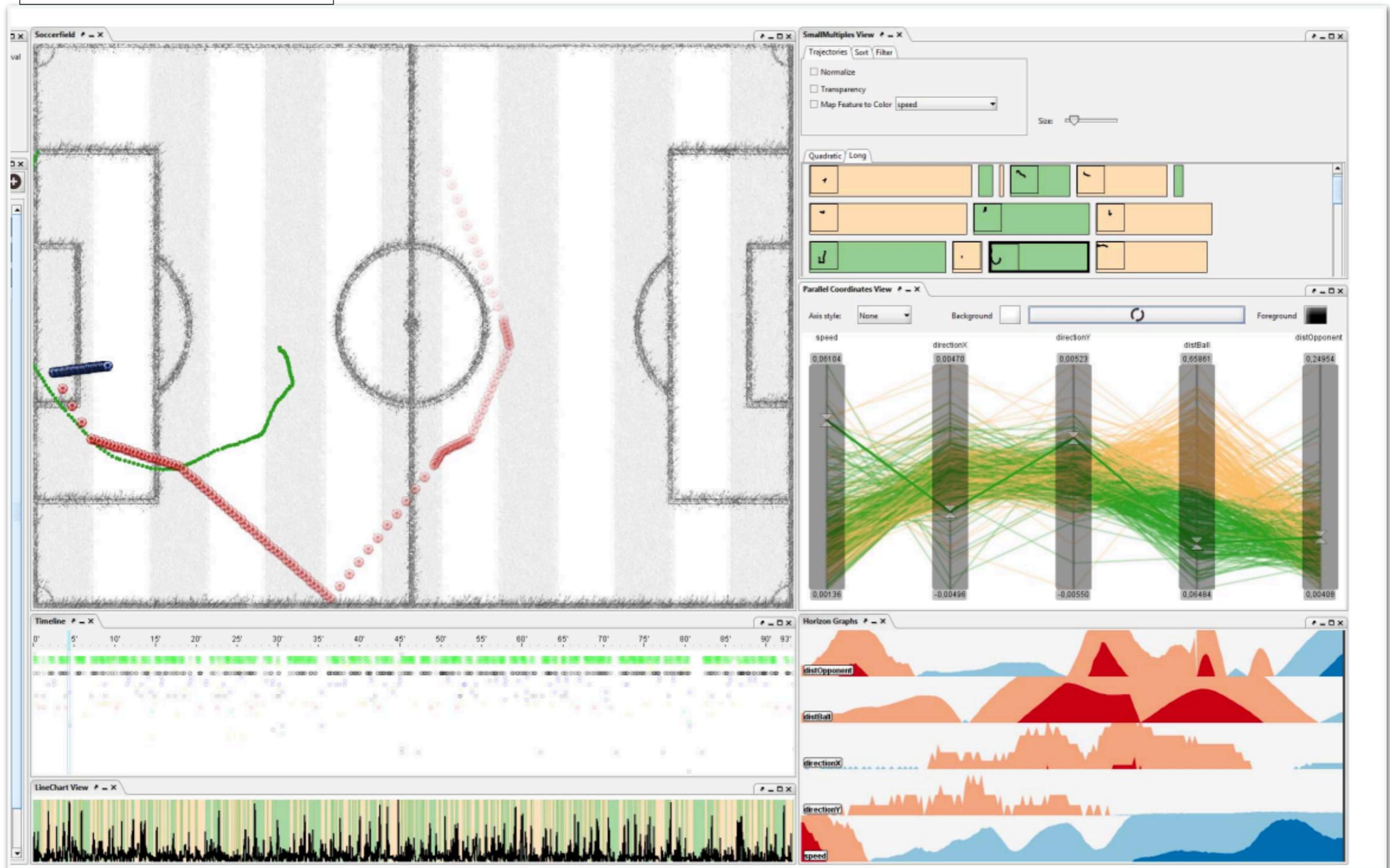
Last change: 07.02.2017

Highest market value: **€ 80.00 million**, 07.02.2017



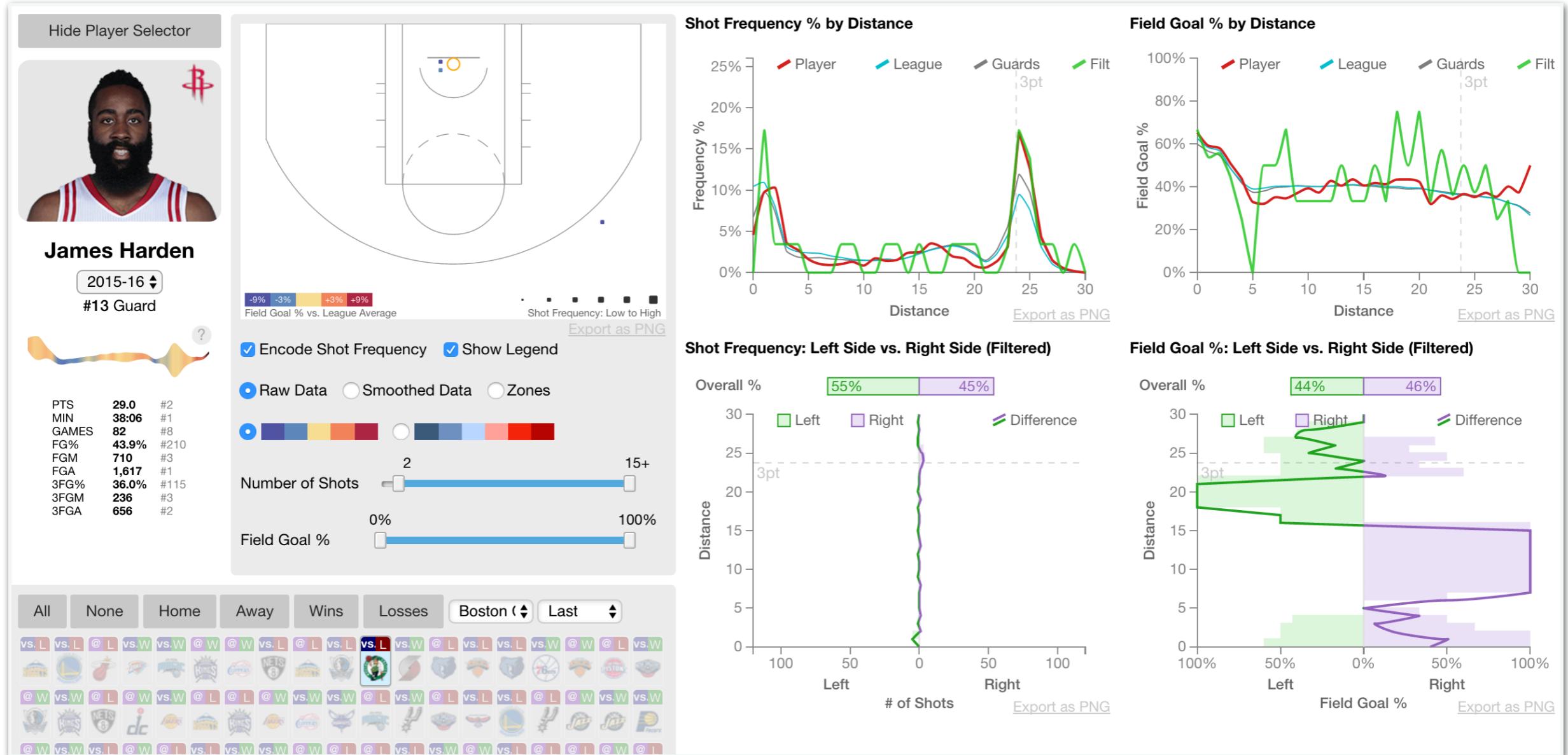
Why

Not focused on players





Why Other sports





Why Not football?

Most popular sport: 3.9 billion “followers”!

Problems

- 170 professional leagues(5 big): no centralised entity
- Lots of data but very expensive (for media / teams)



What

The data

[kaggle](#)

Competitions Datasets Kernels Discussion Jobs [Sign Up](#) [Log In](#)

European Soccer Database

25k+ matches, players & teams attributes for European Professional Football

by [Hugo Mathien](#) · last updated 4 months ago

391

[Overview](#) [Kernels](#) [Discussion](#) [Activity](#) [Download \(34 MB\)](#) [New Notebook](#) [New Script](#)

- +25,000 matches
 - +11,000 players
 - 11 European leagues
 - Detailed match events
 - 8 seasons
- + sports page scraping
- Players pictures
General players statistics



How

INFO~~O~~TMATION

Player



Robert Lewandowski



2015/2016

21 Aug 1988 (age 28)

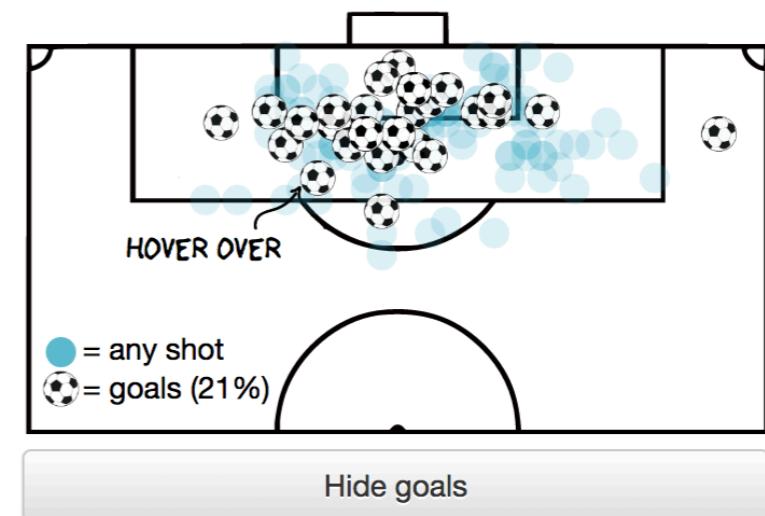
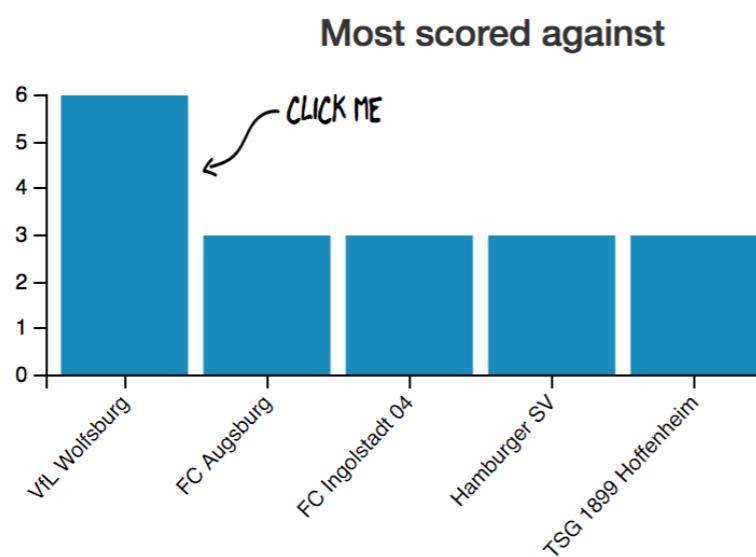
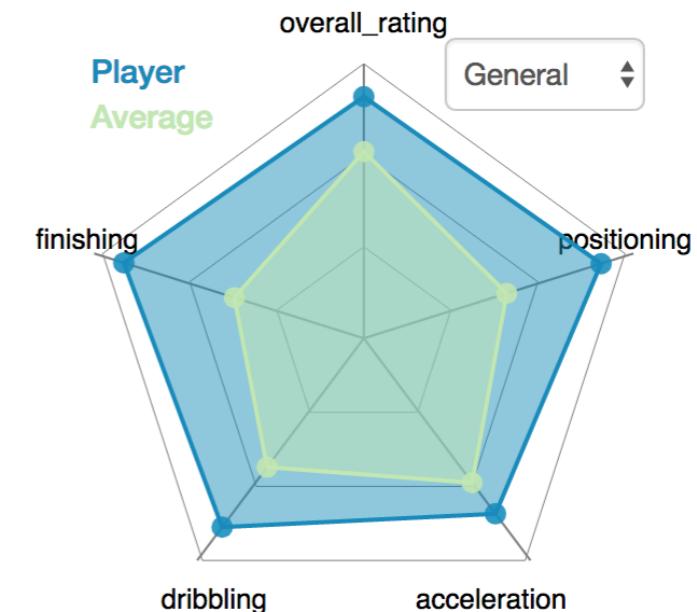
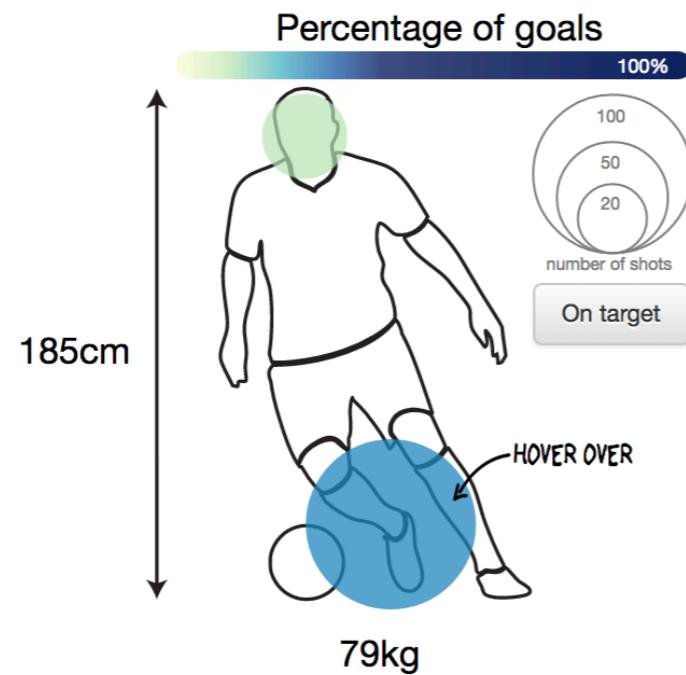
FC Bayern Munich

Striker

Right-footed

Value: € 71M

National team: Poland



Demo: <https://yanndubs.github.io/Infoftmation/>



Process And Tools

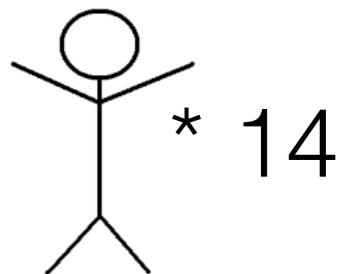
Data

SOFIFA

Web scraping

R

d3
Crossfilter



Evaluate



Evaluation

What and Who

- 14 football fans (12 Europeans)
- 20-25 years old
- “What do you like ?”
- “What would you change ?”
- “What would you add ?”



Evaluation

Their answers

Changed

- Add general player information
- Surprised by interaction
- Silhouette graph not clear
- Add more legends / labels
- Add autocomplete search
- Optimize for mobile / different browsers

To change

- Show assists on field
- Add more general stats: passes / interceptions / duals won / number of yellow or red cards
- Compare players
- Add data from international competitions
- Add more colours
- Search by teams
- Change default player ;)



Evaluation

Added

□ Added
△ Changed

INFORMATION

Player



Robert Lewandowski



2015/2016

21 Aug 1988 (age 28)

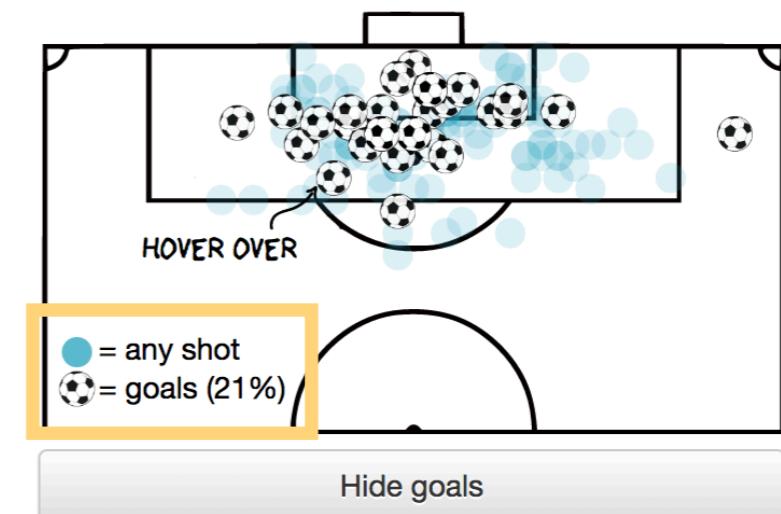
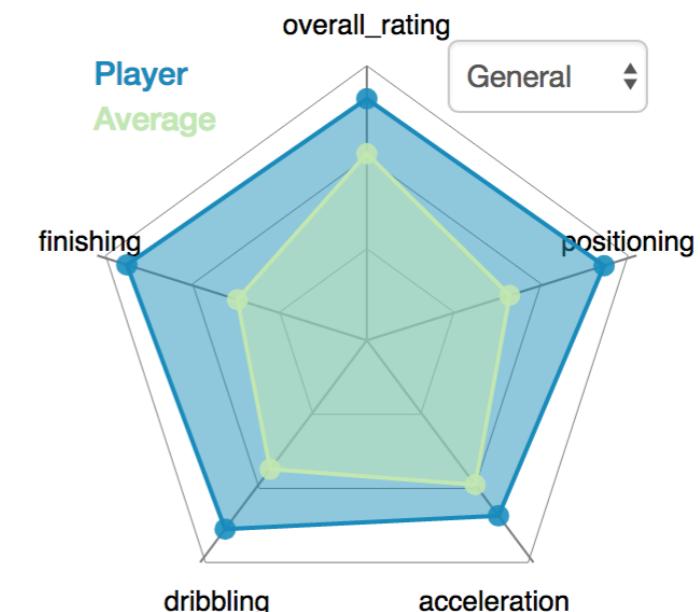
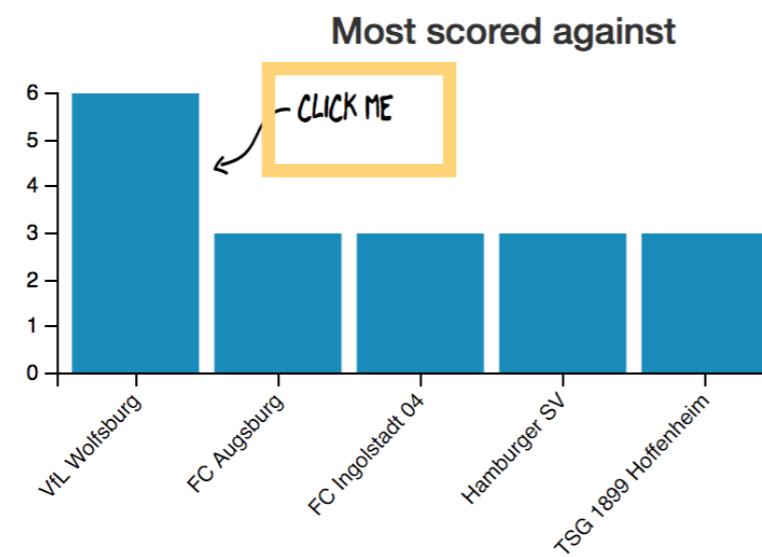
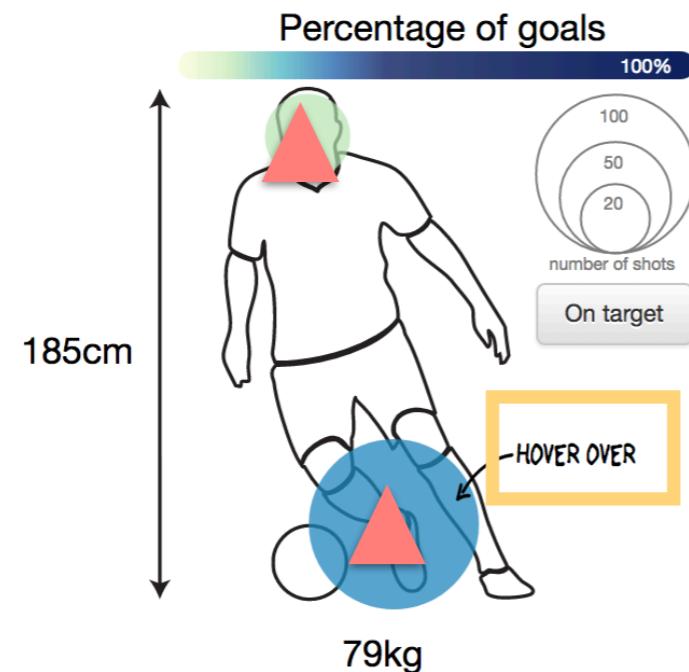
FC Bayern Munich

Striker

Right-footed

Value: € 71M

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Future work

More web scraping

- Daily update of the data
- Add data from international competitions
- Add more general statistics
- Get the distribution of shots by right/left foot
- Get passes information
- Get more information about position of player

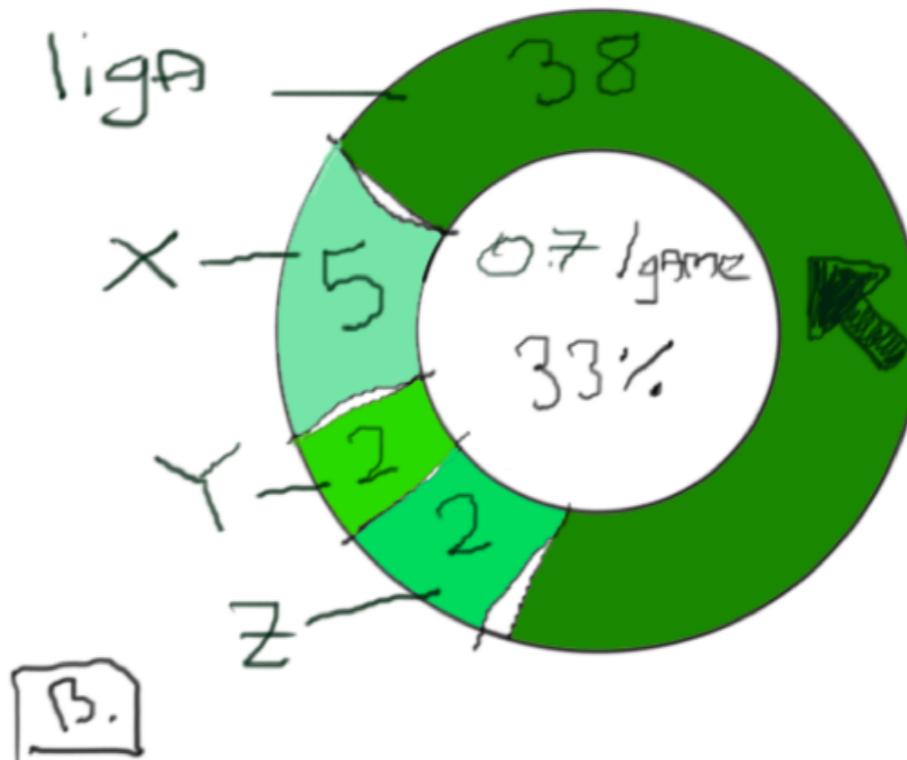
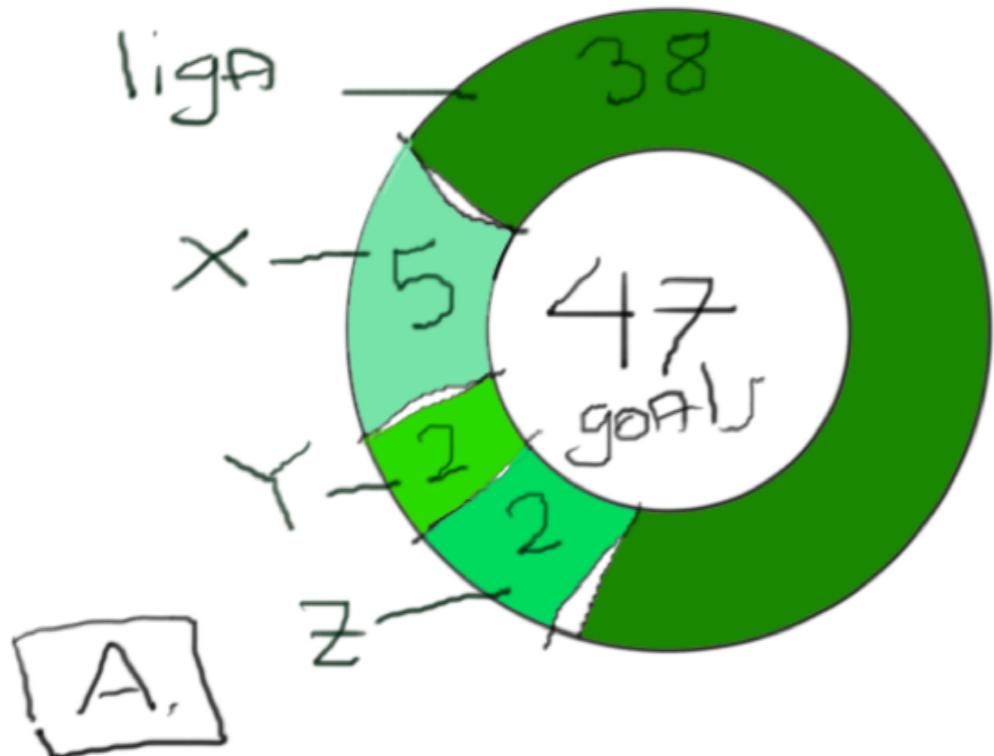
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Future work

More graphs

Goals per competition

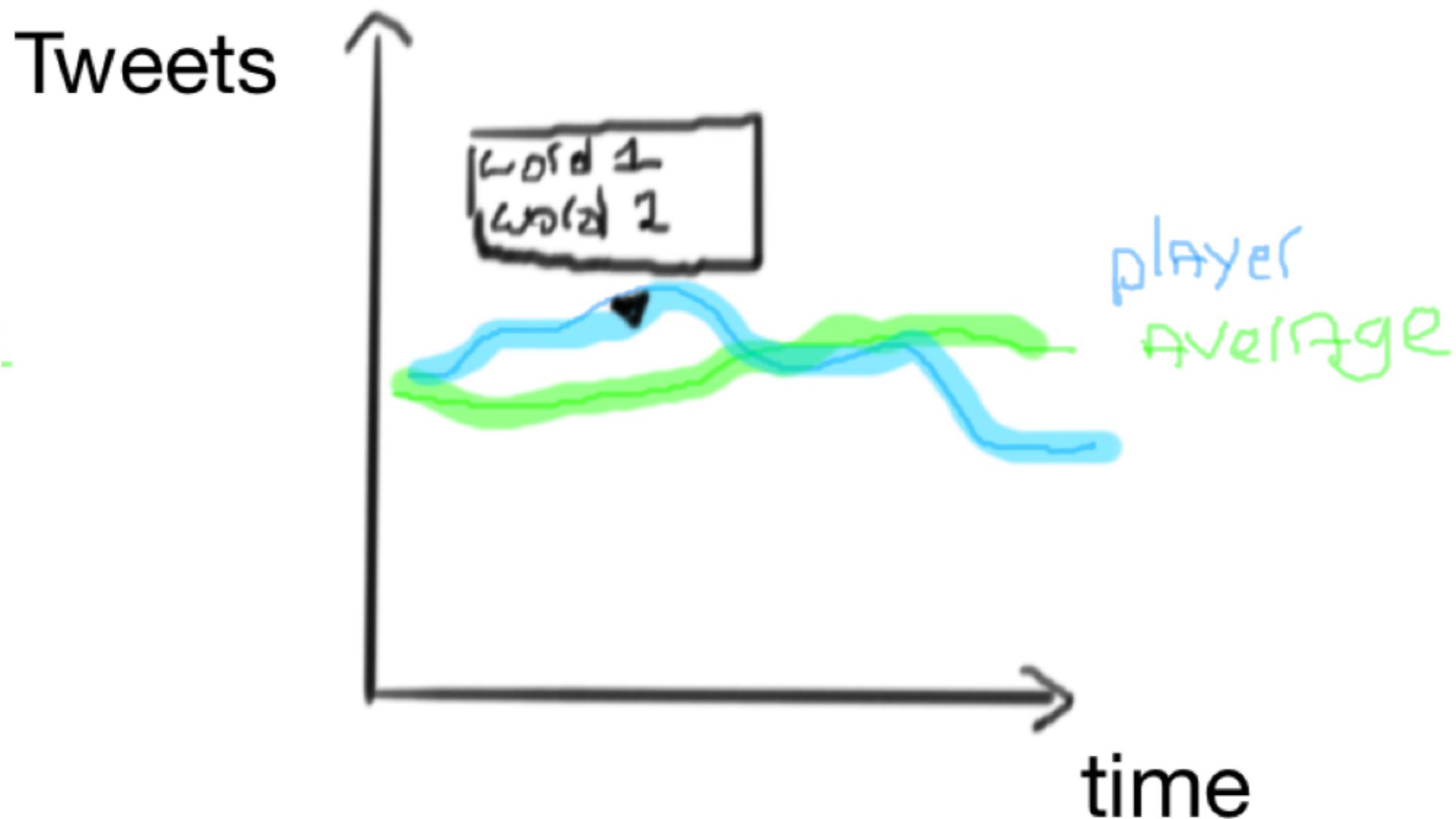




Future work

More graphs

Tweets about the player

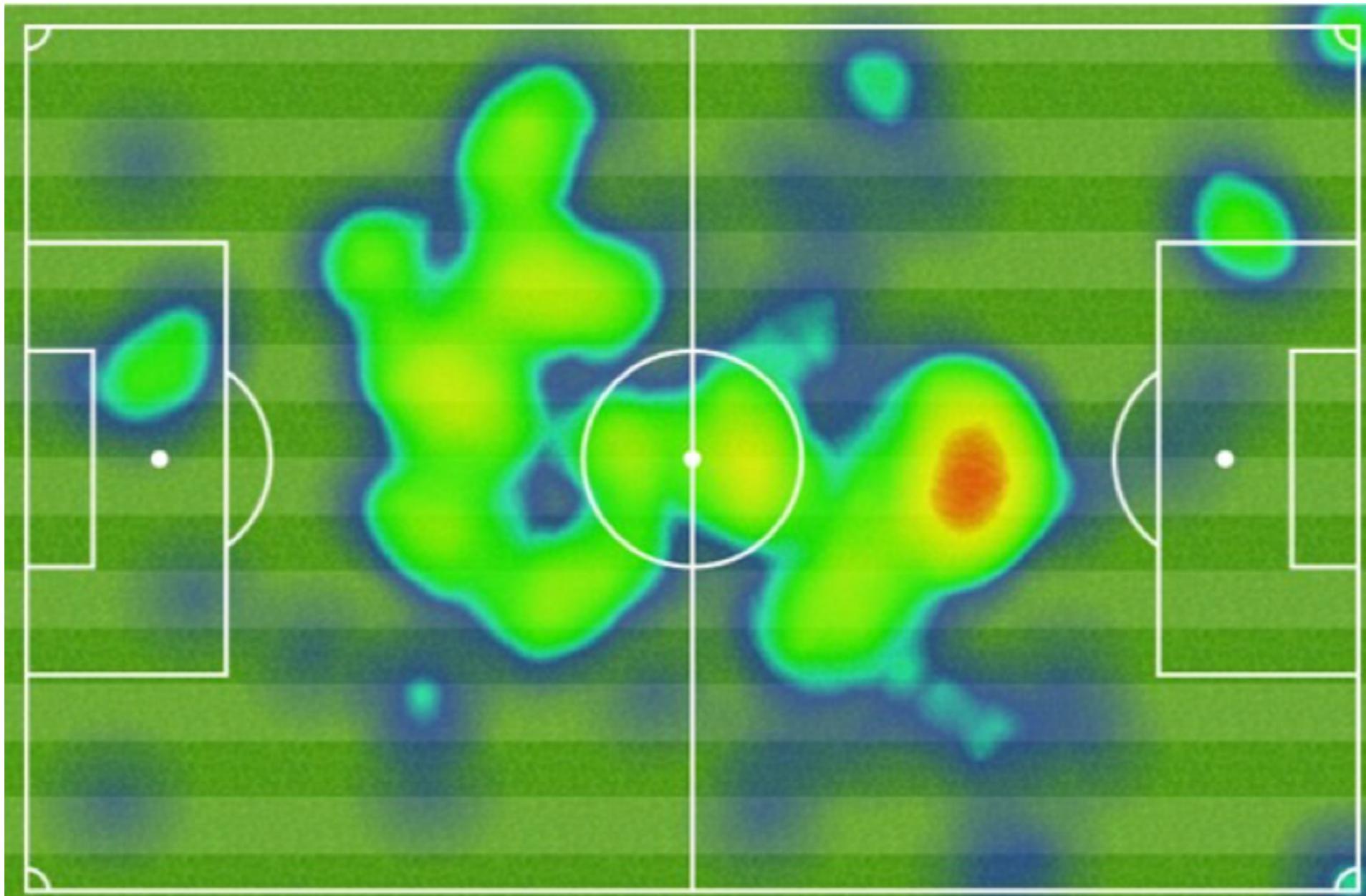




Future work

More graphs

Where does the player spend the most time ?

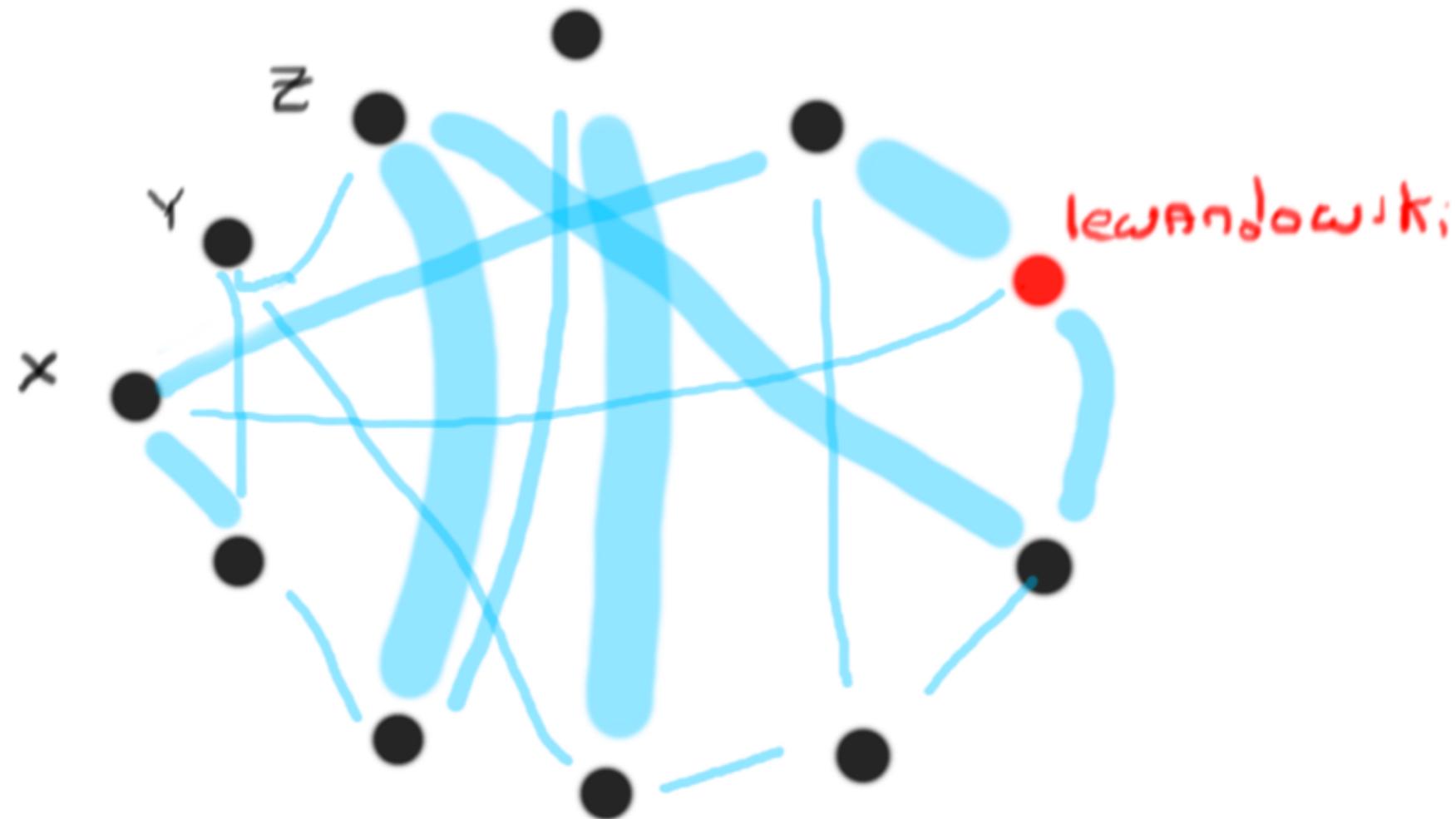




Future work

More graphs

From/to whom player X passes the most?





Future work

More graphs

Direction of shots



Thank you !