Predicting Soccer Transfer Prices

BY MEEHIR PATHARE

SE QUEDA
3gerardpique Se queda.
cargar más comentarios
ali_naseri_11 Thanks man
james_simpsonn @olllllyyyy translat
caption
imthou Vaamooo carajooo
javicadenas02 Es seguro?
gissellita0482 👏👏👏👏👏
inigoducar99 ❤️💥😍
ramoncaus Neyy ❤️
carla_pexe Dille a papi😇 @monica
malwinsk Suuuuuuuuu😓😓❤️
@paularoigylla
sophiokerr Yaaaaaaaaas
salfishn ¡El presidente ha hablado!
delfina_acosta @acostagustin22

Data Acquisition

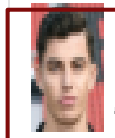
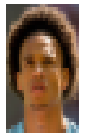
Scrapy

BeautifulSoup

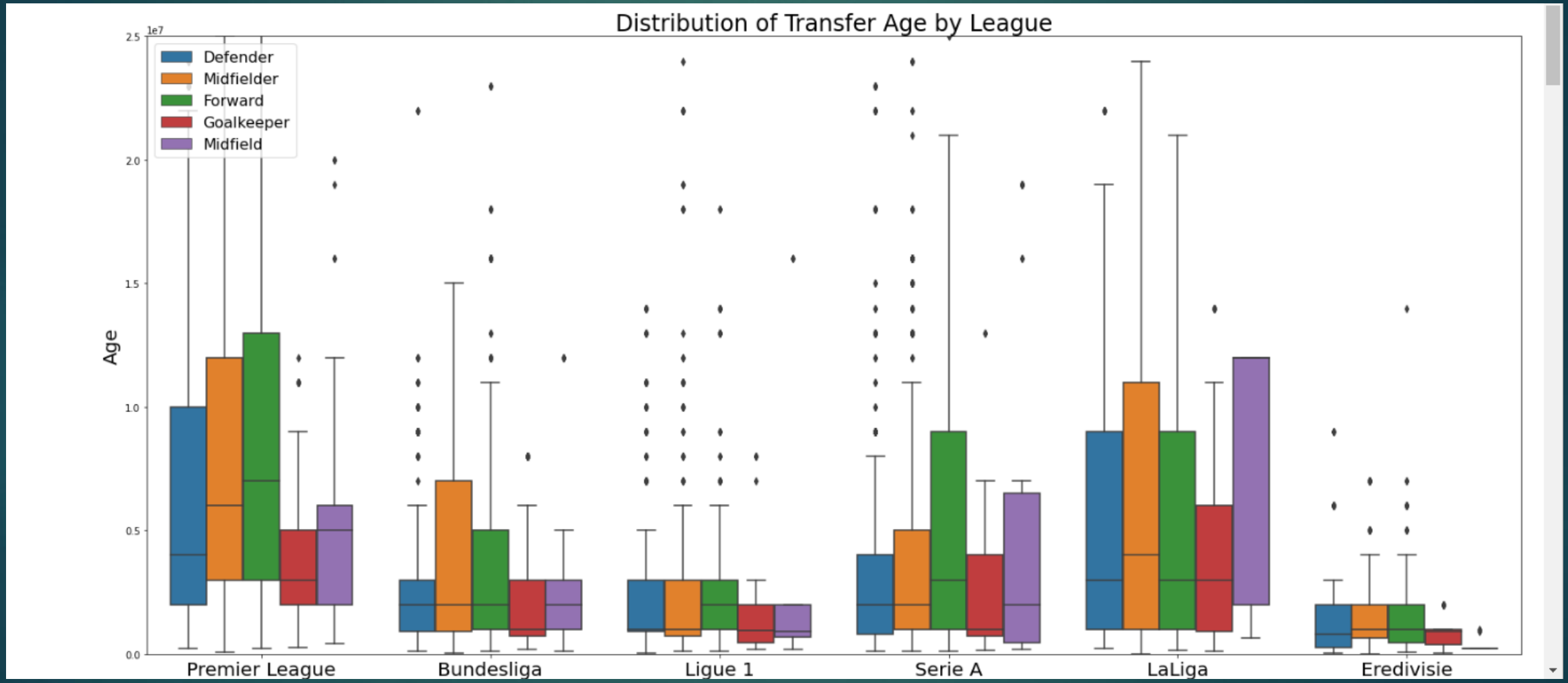
kaggle

Data Acquisition

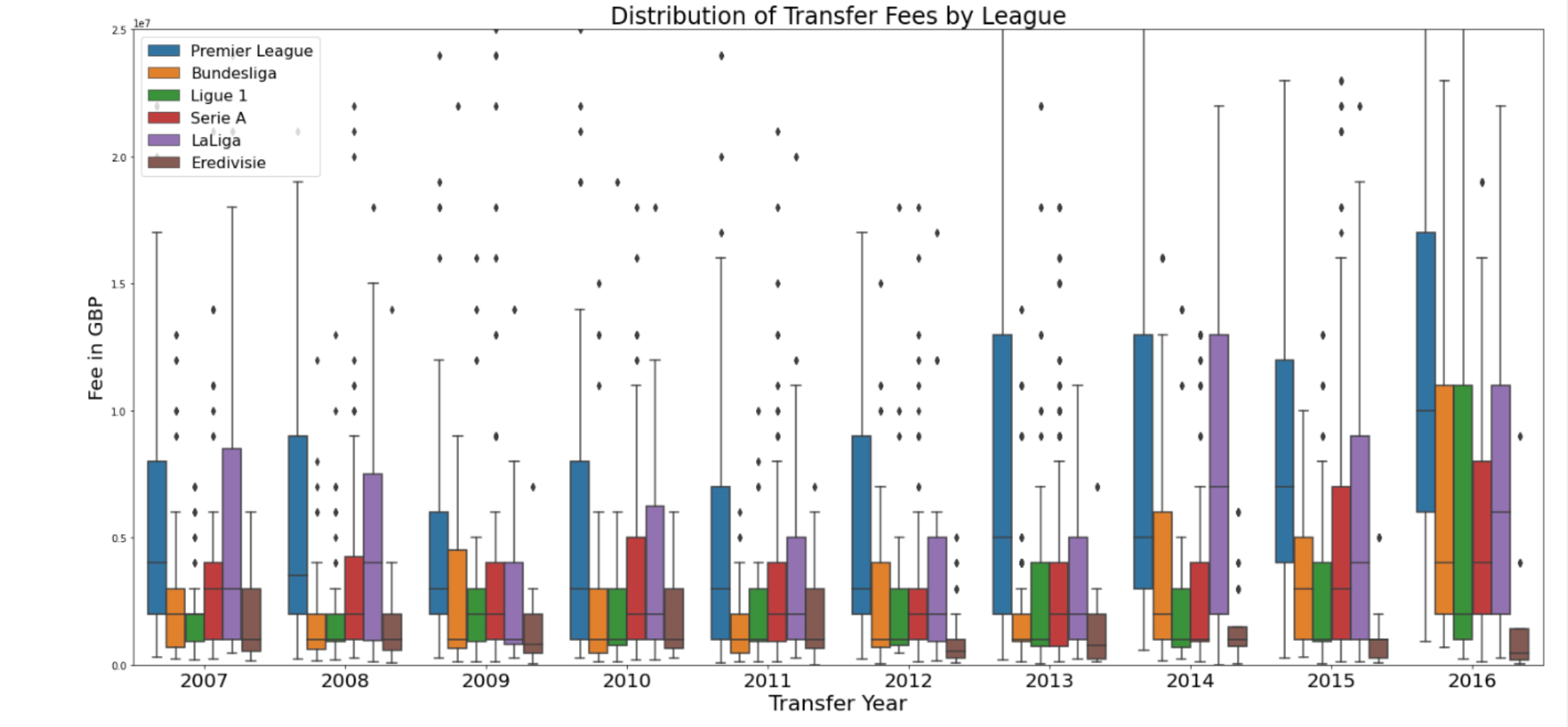
Scrapy

1	 Kai Havertz Attacking Midfield	21	£72.90m		Chelsea Premier League	£72.00m
2	 Leroy Sané Left Winger	24	£72.00m		Bayern Munich Bundesliga	£40.50m
3	Arthur Central Midfield	24	£50.40m		Juventus Serie A	£64.80m
4	Victor Osimhen Centre-Forward	21	£36.00m		SSC Napoli Serie A	£63.00m
5	Rúben Dias Centre-Back	23	£31.50m		Man City Premier League	£61.20m

EDA


Distribution of Transfer Age by League
1e7
2.5
2.0
1.5
1.0
0.5
0.0
Age
Defender
Midfielder
Forward
Goalkeeper
Midfield
Premier League
Bundesliga
Ligue 1
Serie A
LaLiga
Eredivisie

EDA


Distribution of Transfer Fees by League
1e7
2.5
2.0
1.5
1.0
0.5
0.0
Fee in GBP
Premier League
Bundesliga
Ligue 1
Serie A
LaLiga
Eredivisie
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
Transfer Year

Preprocessing

Target Variable: Transfer Fee in GBP

- No free transfers
- Match time with Kaggle & Transfermarkt
- Consolidate Categories

Modelling

- ~ 10, 000 Transfers
- 52 features
  - demographics
  - FiFA stats
- Individual and Team Features

Test_name	CV_mean	CV_min	CV_max	CV_std	train_r^2_score	test_r^2_scores
Linear Regression	0.7054	0.6987	0.7145	0.0342	0.7224	0.6755
Ridge	0.7022	0.6845	0.7155	0.034	0.7131	0.6812
Lasso	0.7245	0.7032	0.7424	0.036	0.7302	0.6855