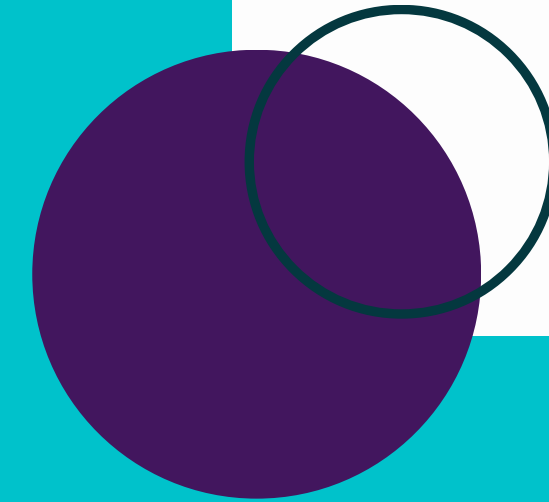


# Next Premier League Champion

(A linear regression analysis)

André Zaragoza Bonilla  
Data Analytics FT  
February 2023



**Premier  
League**

# A LITTLE ABOUT PREMIER LEAGUE

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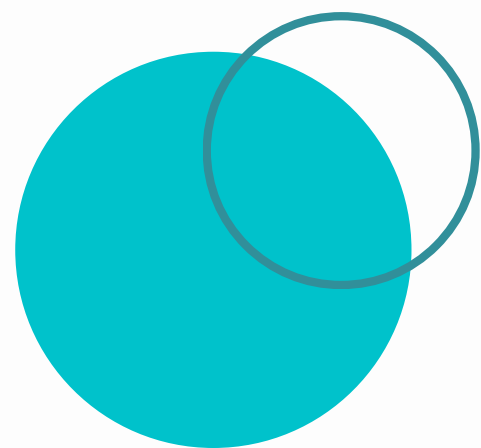
**Since 1992**

**TEAMS**

**20**

**GAMES**

**380**



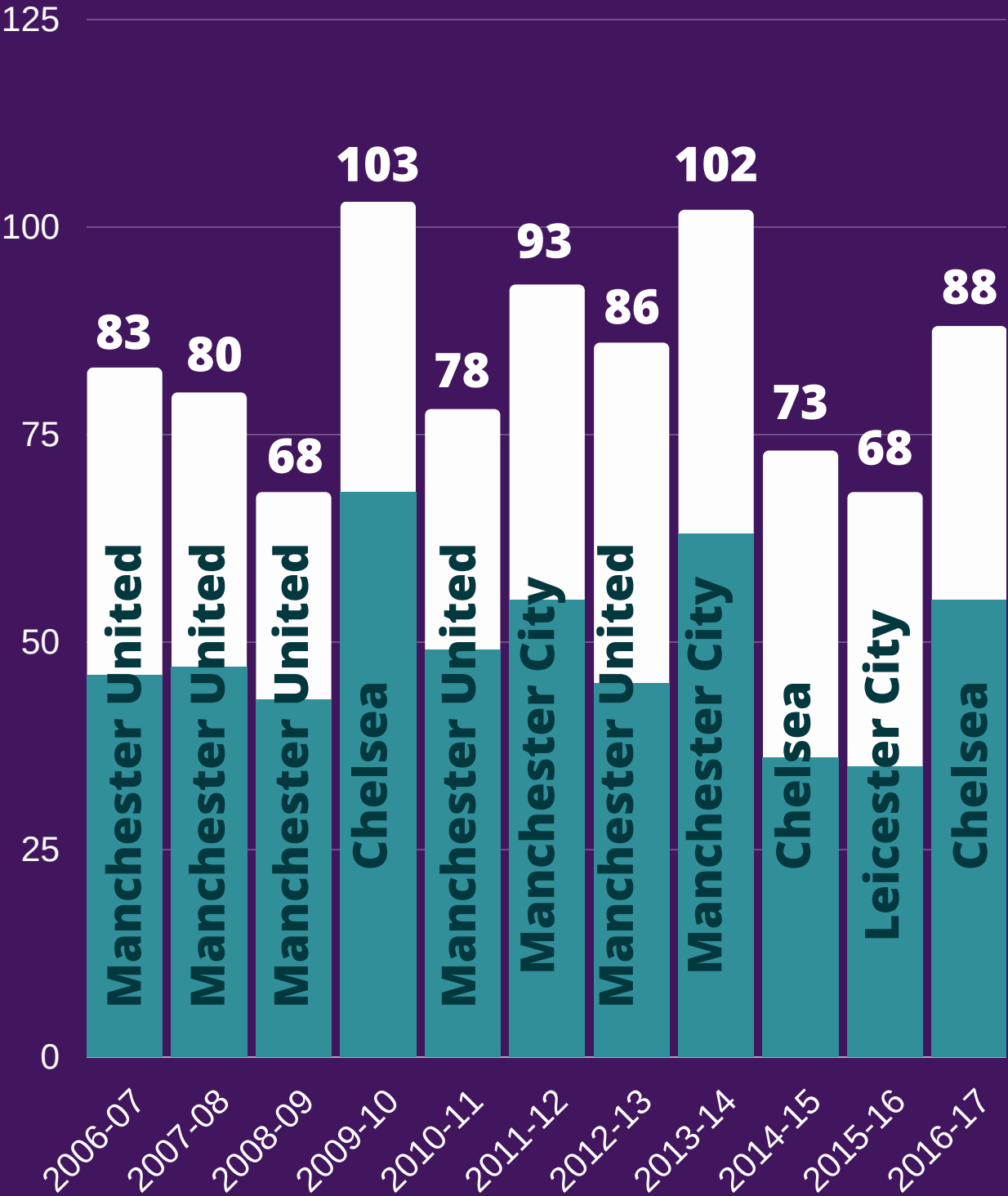


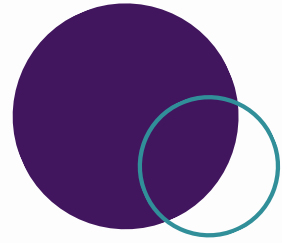
# **GOAL**

**WHICH OF THE 20 TEAMS WILL  
BE CHAMPION OF SEASON  
2017-2018**

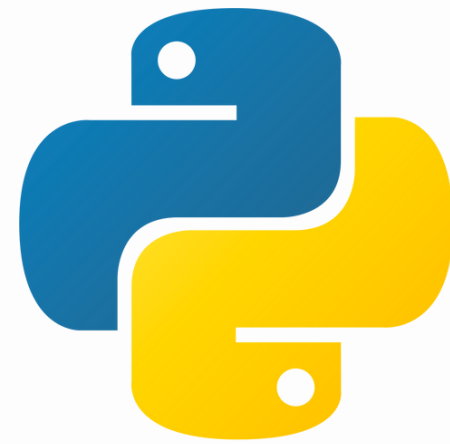
# LAST 11 SEASONS

2006-2007 → 2016-2017

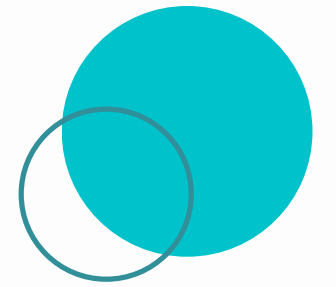




# METHODOLOGY



# LINEAR REGRESSION



**NORMALIZED**

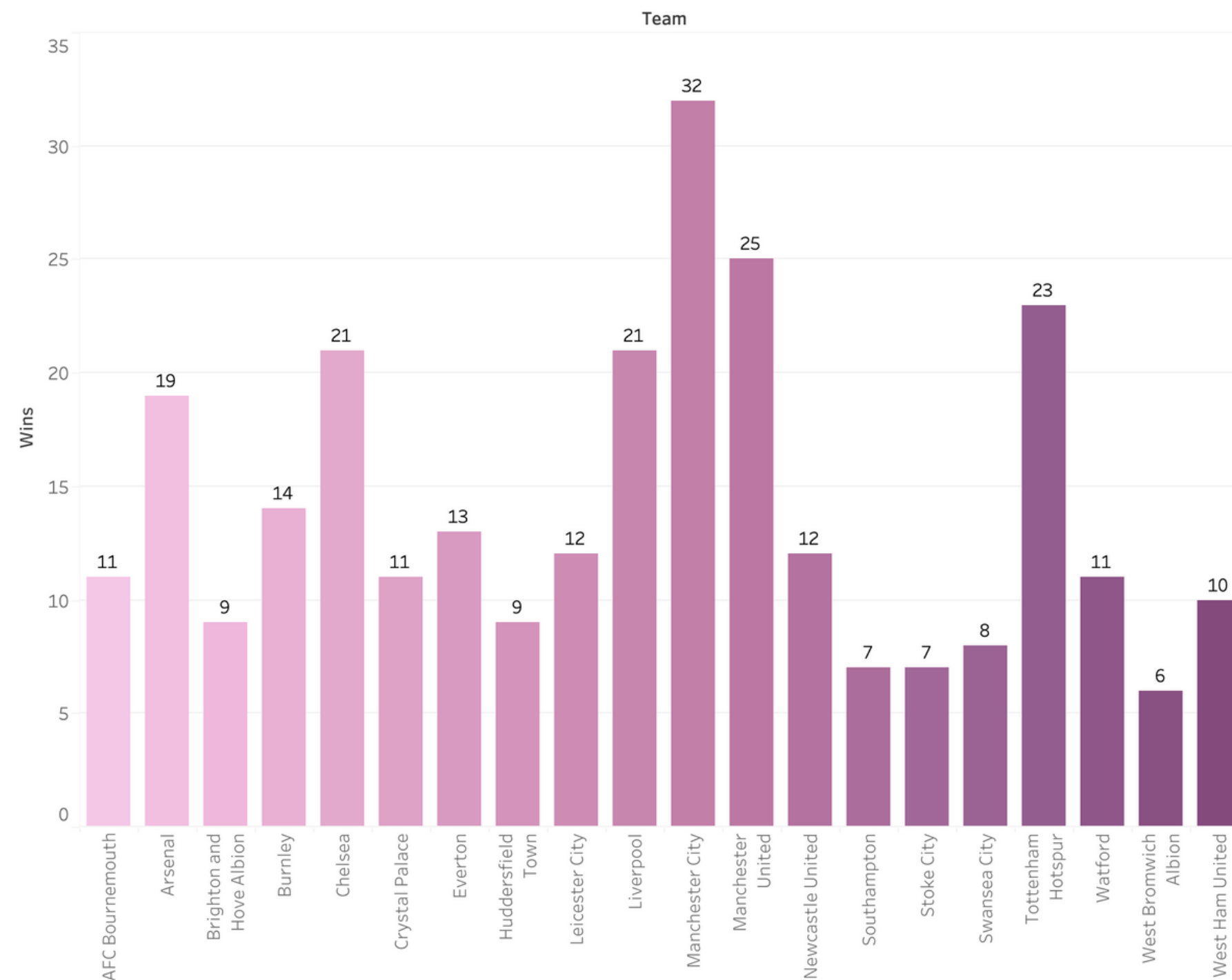
**$R^2 = .75$**

**STANDARDIZED**

**$R^2 = .73$**

**CROSS-VALIDATION**  
**2017-2018**

2017-2018 TABLE



# Prediction vs Actual Points

TEAM	PREDICTION	ACTUAL POINTS
AFC Bournemouth	10.882536567944179	11
Arsenal	19.79393648109952	19
Brighton and Hove Albion	8.17997080238889	9
Burnley	10.208539373210158	14
Chelsea	19.87574191366437	21
Crystal Palace	9.274760179179218	11
Everton	11.85116470158819	13
Huddersfield Town	8.435400898476077	9
Leicester City	15.432488039363964	12
Liverpool	25.64385490225117	21

TEAM	PREDICTION	ACTUAL POINTS
Manchester City	31.400868500795674	32
Manchester United	19.53317081386693	25
Newcastle United	10.491157603584583	12
Southampton	9.795667581956224	7
Stoke City	9.668842796974548	7
Swansea City	9.15332438720531	8
Tottenham Hotspur	21.55599888194635	23
Watford	11.357961358146156	11
West Bromwich Albion	6.277306556072775	6
West Ham United	13.752473552518332	10

# CHAMPION FOR SEASON 2017-2018





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# CHALLENGE



**LaLiga**



**CHAMPIONS  
LEAGUE®**



# THANK YOU!

