

Project Arsenal

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Goal of the project

Explaining why the level of Arsenal FC soccer club has deteriorated during the last decade (2009-2020)






Datasets & Sources used

kaggle

- English league matches
- Team players and their statistics



- Matches in English and European competitions  **BESOCCER**
- Transfer budgets by club 
- Transfer budgets by player 
- Championship title winners each year 
- Championships participation each year 



- Player salaries (Arsenal & Chelsea)



- All competitions player stats (Arsenal & Chelsea)



Presentation structure



Intro

What are the achievements of the team?

Arsenal introduction

- Overall Palmares
- Arsenal in EPL
- Arsenal in Other Competitions



EPL

What are the performance characteristics (EPL)

Arsenal performance (EPL)

- Match results (Win/Loss/Null)
- Performance over seasons



Other teams (EPL)

How is Arsenal positioned versus a top EPL winning team?

Focus EPL:

Arsenal vs. Man. City

- Match results
- Performance over seasons



Contest

What are the performance characteristics (Other competitions)?

Focus Other Competitions:

Arsenal vs. other teams

- Match results (Win/Loss/Null)
- Performance over seasons



Players

Is the decline of performance reflected in team composition?



Other teams players

How does Arsenal manage its team composition compared to other top teams?



Transfers

Is the investment strategy in the transfers enough?

Arsenal Players

- Overall players' age
- Explanation Goals scored & conceded
- Top 15 attackers & defenders

Focus Players:

Arsenal vs. Chelsea

- Explanation of overall variations on:
 - Forward players
 - Goal keepers

Transfers:

Arsenal vs. Chelsea

- Players' market value
- Players' salaries
- Budget per team

CONCLUSION (1)

What are the performance characteristics (EPL)

- ↘ shots / shots on target each season.
- ↘ possession.
- Collapsing ranking starting season 15/16.
- Only 54% of wins over the period 2009-2020.

→ **Decline in performance.**

How is Arsenal positioned versus a top EPL winning team?

- Manchester City is better performing than Arsenal overall.
- Starting season 15/16 : Manchester City's performance ↗, Arsenal's ↘

→ **Decline in performance when other team improves.**

What are the performance characteristics (Other competitions)?

- Arsenal in national competitions (FA Cup) performs better than international ones (Champions League).
- Starting season 15/16 : Arsenal's performance ↘ (national & international)
- ∅ international title

→ **Maintain of performance and then brutal decline after 15/16.**

CONCLUSION (2)

Is the decline of performance reflected in team composition?

- Younger team, less experienced players.
- Departure of best forwards (top scorers).
- Departure of all the top defenders.

→ **Departure of top scorers have impact on team performances (goal scoring).**

How does Arsenal manage its team composition compared to other top teams?

- Less Top scorers leaving Chelsea.
- More entries for Chelsea's forward.
- Starting season 15/16, more injuries for Arsenal's goalkeeper.

→ **With more departures and player injuries, Arsenal struggles to keep up with Chelsea.**

Is the investment strategy in the transfers enough?

- Lack of investment in top players.
- Less payout for players' salaries.
- ∅ replacement for departures with good value players.

→ **Misplaced investments in players**