

# Finding contributing factors to a soccer win

An insight about the Italian Serie A  
league

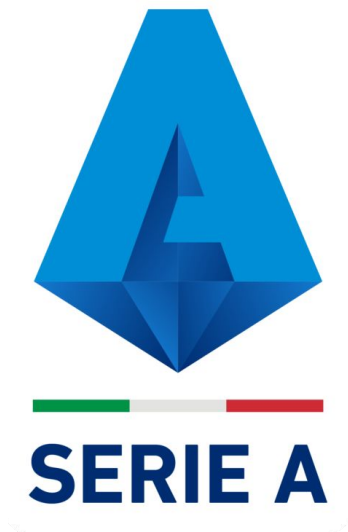




# Outline

- Dataset
- Addressed questions
- Data analysis

# Dataset



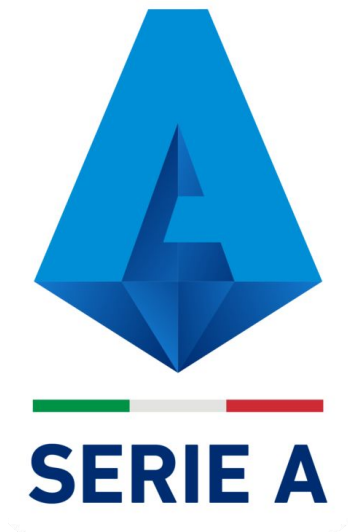
16 seasons

from 2005-06 to 2021-22

6460 matches

Source: [Official Lega Serie A archive](#)

# Dataset



## 48 features

- **Report:** season, round, home-team, away-team, score, result, referee, etc.
- **In-game statistics:** penalties, shots, fouls, offsides, yellow/red cards, corners, etc.

Source: [Official Lega Serie A archive](#)

# Addressed questions

1

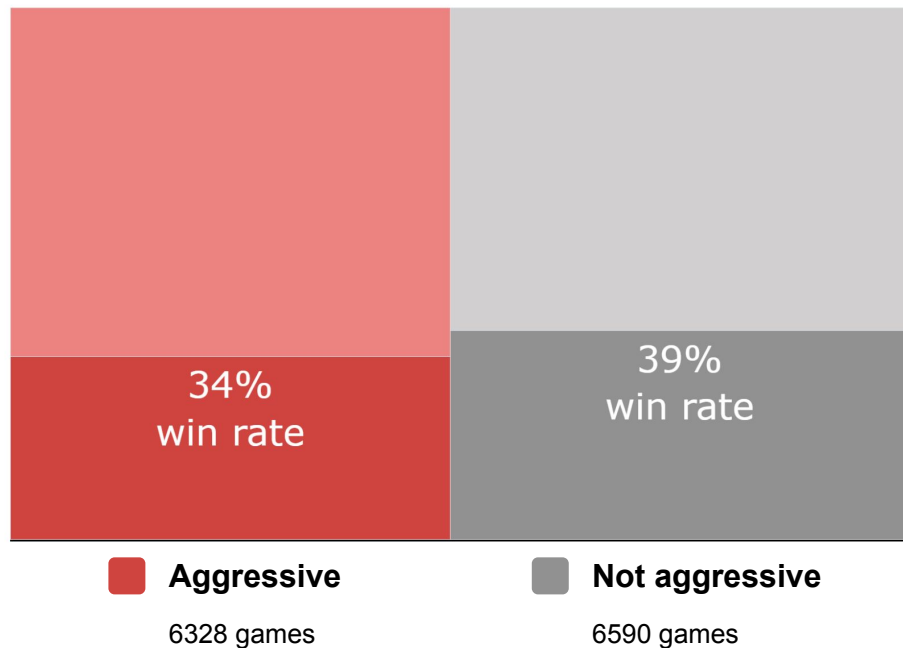
Does **aggressive** playing lead to more victories?

2

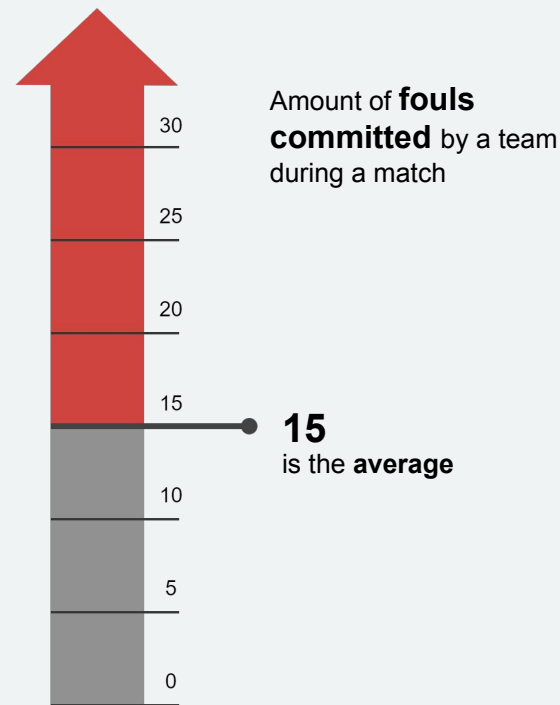
Does a **win streak** lead to a higher chance of winning the next game?

# Does **aggressive** playing lead to more victories?

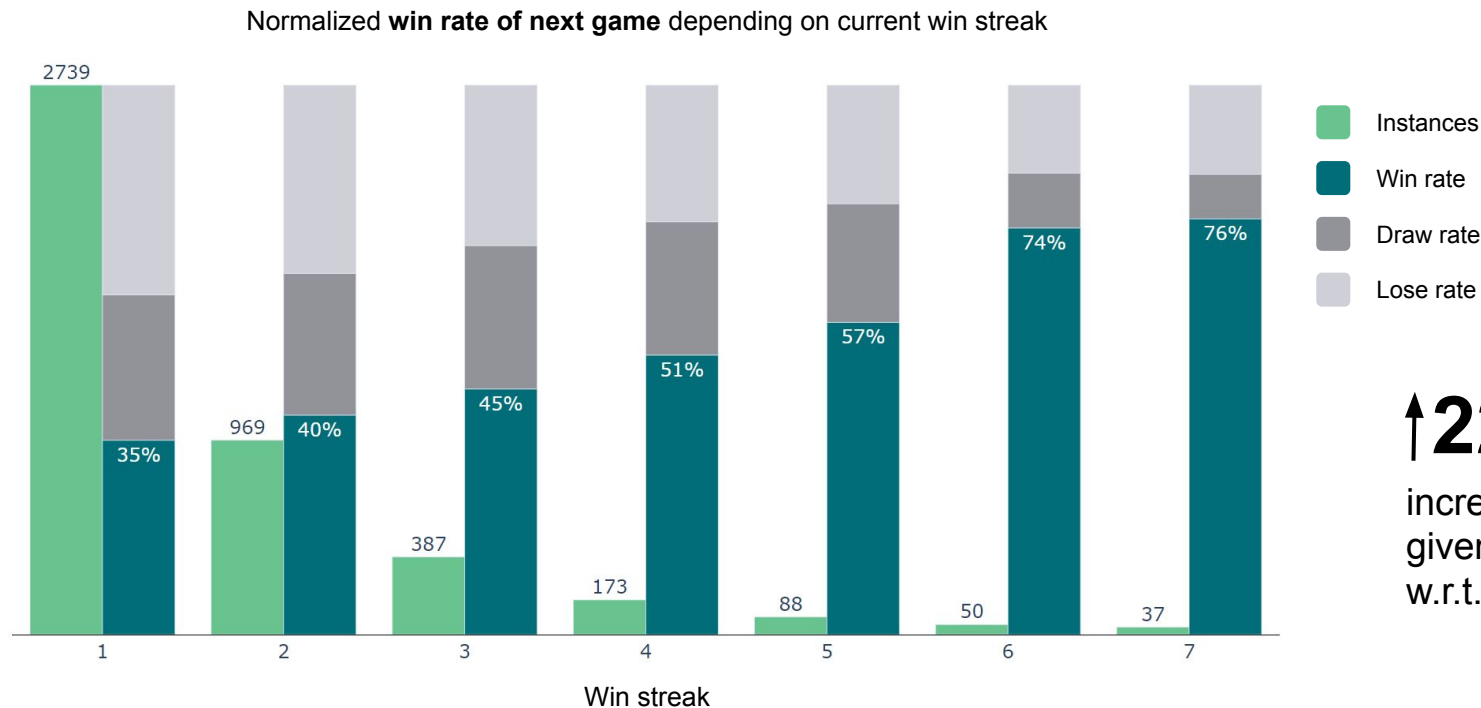
Win rate comparison between aggressive and non-aggressive games



## Scale of aggressiveness



# Does a **win streak** lead to a higher chance of winning the next game?



↑ **22%**

increase in win rate  
given a **5 win streak**  
w.r.t. a 1 win streak

# Thank you

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