

Question: Is playing Premier League matches at home more advantageous?

Kayan, Mert Efe*

1 Important Information About Midterm

WRITE YOUR GITHUB REPO LINK ON LINE 35 IN THIS FILE!

Project Proposal submission will be done by uploading a zip file to the ekampus system along with the Github repo link. If you do not upload a zip file to the system and do not provide a Github repo link, you will be deemed not to have entered the midterm and final exams.

You must upload your project folder (YourStudentID.zip file) to *ekampus.ankara.edu.tr* until 16 April 2023, 23:59.

Read the README.md file in the project folder for more information.

2 Introduction

This outline has been created to assist you in writing your project assignment. You should cite all the sources you use, articles, presentations, projects, etc. Quoting and referencing gives readers the opportunity to access the resources you refer. **Even though you use your own words, if you are conveying the ideas of others in your work, you have to document the source of these ideas. Otherwise, you are committing academic plagiarism.** For example, you can refer to Price (2022) for academic writing rules. You can find lots of online resources on this topic.

The sections in your project assignment must necessarily include the sections in this text (except the first section, of course). Apart from the sections used here, you can use different subsections. When writing your project, use this file as a draft and adapt its content to your purposes.

In this section, mention the purpose and importance of your work in a few paragraphs.

Question: Is playing Premier League matches at home more advantageous?

*20080492, [Github Repo](#)

The purpose of my project is to investigate whether playing Premier League matches at home provides a significant advantage for the home team compared to playing away. The home field advantage has been studied in sports for over a century, and it is widely acknowledged that playing at home provides teams with an advantage over their opponents.

Therefore, I will review and analyze several articles that have addressed the home field advantage in sports, as well as articles specifically focused on the Premier League. By doing so, I manage to provide a comprehensive and evidence-based assessment of the extent to which playing Premier League matches at home is advantageous for the home team.

2.1 Literature Review

In this section, discuss the articles you have read on the subject by giving references. This is a narrative citation Ghahfarokhi (2022). This one is a parenthetical citation (Ghahfarokhi, 2022). **Do not summarize each article individually under a separate title.** In the literature review section, **at least four** articles must be cited (Ghahfarokhi, 2022; Maozad, 2022; Price, 2022; Šnejdr, 2022).

References section is created automatically by Rmarkdown. There is no need to change the references section in the draft file.

You shouldn't delete the last 3 lines. Those lines are required for References section.

The articles does not directly refer to the home advantage or the difference that playing a match at home or away could make. However, the Poisson models used in the article are structured to predict the outcomes of matches by taking into account the probabilities of the home and away teams scoring goals. Therefore, the results of the models take into consideration the performances of the home and away teams separately. The home field advantage has been studied for over a century, and there is general consensus that it exists and gives the home team an advantage of around 55-60% over their opponents. Four factors contribute to this advantage: crowd involvement, travel fatigue, familiarity of facilities, and referee bias. Soccer has one of the highest home field advantages among major sports, and the advantage tends to deteriorate as athletes play longer on an away field. The article also discusses how home field advantage can vary based on the number of games per season, the strength of the teams, and the rules of the sport.

References {#references} {#Ebrahim Alidoust Ghahfarokhi:2022} {#Filip Šnejdr:2022}
 {#Syasya Nadhilah Maozad:2022} {#Katherine Price:2022}

Ghahfarokhi, E. A. (2022). *Investigating the home advantage in the world's prestigious football leagues before ANnd after the outbreak of covid-19*. 4–6. <http://www.rbff.com.br/index.php/rbff/article/view/1222>

Maozad, S. N. (2022). *Comparative analysis for predicting football match outcomes based on poisson models*. 2–4. <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9795385>

Price, K. (2022). *How much does home field advantage matter in soccer games? A causal inference approach for english premier league analysis*. 5–9. <https://arxiv.org/pdf/2205.07193.pdf>

Šnejdr, F. (2022). *Home advantage in football during covid-19 pandemic*. 17–22. <https://dspace.cuni.cz/bitstream/handle/20.500.11956/171281/130326398.pdf?sequence=1&isAllowed=y>