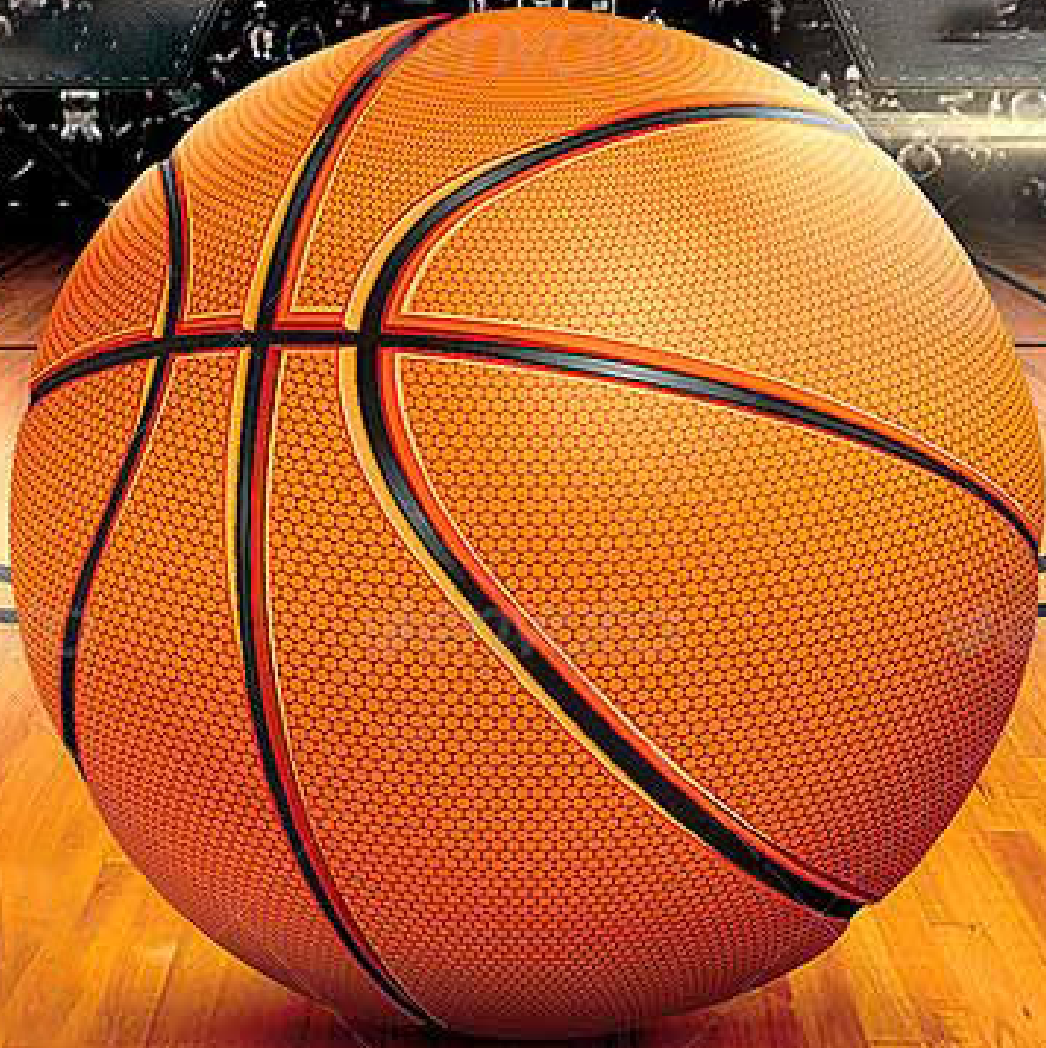


BASKETBALL ★★ PLAYOFFS ★★



NBA Stat V.S. Twitter

EDAV Final Project



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1. Things to do

1.1 Things to do

1. Interactive plot of the twitter word cloud DONE
2. Interactive heat map on the basketball field Done
3. parallel coordinate of the average three points / average all points for all teams DONE
4. individual player scatter plots facet on team DONE
5. do we have any categorical variables for other plots like alluvial graph



2. Introduction

2.1 Team and Contribution

Haozheng Ni():
Chiqi Yang():
Mingyang Ni():
Haoran Li():

2.2 Motivation

Explain why you chose this topic, and the questions you are interested in studying.



3. Description of Data

3.1 Data Collection and Access

Describe how the data was collected, how you accessed it

3.2 Noteworthy Features

Describe some Noteworthy Features



4. Analysis of Data Quality

4.1 Data Quality

Provide a detailed, well-organized description of data quality, using textual description,

4.2 Procedure

graphs, and code.



5. Main Analysis (Exploratory Data Analysis)

5.1 Description of Findings

Provide a detailed, well-organized description of your findings, including textual description, graphs, and code. Your focus should be on both the results and the process.

5.2 Challenges

Include, as reasonable and relevant, approaches that didn't work, challenges, the data cleaning process, etc.



6. Executive Summary

6.1 Presentation

Note: "Presentation" here refers to the style of graph, that is, graphs that are cleaned up for presentation, as opposed to the rough ones we often use for exploratory data analysis. You do not have to present your work to the class! However, you may choose to present your work as your community contribution, in which case you need to email me to set a date before the community contribution due date (Apr 3). (The presentation itself may be later.)

Provide a short nontechnical summary of the most revealing findings of your analysis written for a nontechnical audience. The length should be approximately two pages (if we were using pages...) Take extra care to clean up your graphs, ensuring that best practices for presentation are followed



7. Interactive Component

Select 1 (or more) of your key findings to present in an interactive format. Be selective in the choices that you present to the user; the idea is that in 5-10 minutes, users should have a good sense of the trends you've identified in the data. Make sure that the user is clear on what the tool does and how to use it.

Interactive graphs must follow all of the best practices as with static graphs in terms of perception, labeling, accuracy, etc.

You may choose the tool (D3, Shiny, or other) The complexity of your tool will be taken into account: we expect more complexity from a higher-level tool like Shiny than a lower-level tool like D3, which requires you to build a lot from scratch.

Publish your graph somewhere on the web and provide a link in your report in the interactive section. The obvious choices are <http://blockbuilder.org/> (Links to an external site.)Links to an external site. to create a block for D3, and <https://www.shinyapps.io/> (Links to an external site.)Links to an external site. for Shiny apps but other options are fine. You are encouraged to share experiences on Piazza to help classmates with the publishing process.

7.1 Interaction 1

7.2 Interaction 2



8. Conclusion

8.1 Limitations

8.2 Future Directions



9. Bibliography

9.1 Graph

<https://ffflyer.com/basketball-game-flyer-template/>
<http://stats.gleague.nba.com/>
<http://stats.gleague.nba.com/>

9.2 Packages

<https://ffflyer.com/basketball-game-flyer-template/>
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9.3 Data Source

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