

# Attendance of the two football teams: Toulouse and Paris-Saint-Germain in the Seasons 2003 -2004 to 2019-2020

State the region and the domain category that your data sets are about (e.g., Chaohu, China and sports or athletics).

Region: France. Domain category: Sports and Athletics

Create a research question about the domain category and region that you identified.

What are the attendance of the two football teams: Toulouse and Paris-Saint-Germain in the Seasons 2003 - 2004 to 2019-2020?

Provide at least two links to publicly accessible datasets. These could be links to files such as CSV or Excel files, or links to websites which might have data in tabular form, such as Wikipedia pages.

<https://fbref.com/en/squads/3f8c4b5f/history/Toulouse-Stats-and-History>

<https://fbref.com/en/squads/e2d8892c/history/Paris-Saint-Germain-Stats-and-History>

Upload an image which addresses your research question.

In addition to addressing your research question, this visual should address Cairo's principles of truthfulness, functionality, beauty, and insightfulness.

Season

Attendance of the two football teams: Toulouse and Paris-Saint-Germain in the Seasons 2003 -2004 to 2019-2020

Provide a short (1-2 paragraphs) justification of how your visual addresses your research question.

This visualization was concerned with answering the question of what are the attendance of the two football teams: Toulouse and Paris-Saint-Germain in the Seasons 2003 -2004 to 2019-2020. FB Ref was scraped for data concerning the attendance by season for each team.

The plot indicates that the overall trend of Paris-Saint-Germain has been increasing with some ups and downs from about 40000 in 2003-2004 to more than 45000 in 2019-2020. There was a significant drop of the attendance of Paris-Saint-Germain from 2007-2008 to 2010-2011.

The plot indicates that the overall trend of Toulouse has been decreasing with some ups and downs from about 20000 in 2003-2004 to about 15000 in 2019-2020. There was a significant drop of the attendance of Toulouse from 2011-2012 to 2013-2014. In general, the attendance of Paris-Saint-Germain is always greater than that of Toulouse in all seasons from 2003-2004 to 2019-2020.

As this assignment is for the whole course, you must incorporate and defend the principles discussed in the first week, specifically, Cairo's principles of truth, beauty, function, and insight.

For each of the following prompts, please provide a response that links each principle to one or more elements of your visual.

- Describe your design choices for your visual in regards to Cairo's principle of truthfulness.
- Describe your design choices for your visual in regards to Cairo's principle of beauty.
- Describe your design choices for your visual in regards to Cairo's principle of functionality.
- Describe your design choices for your visual in regards to Cairo's principle of insightfulness.

Truthfulness:

The data has not been changed. It is true

Beauty:

The plot is simple. Simplicity is beauty.

Functionality:

The plot is useful. It shows clearly the attendance of the two football teams: Toulouse and Paris-Saint-Germain in the Seasons 2003 -2004 to 2019-2020

Insightfulness:

One can see some insight from the plot. For example, the trend of the attendance of both teams in the Seasons 2003 -2004 to 2019-2020