

Package ‘basketPlots’

February 17, 2024

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

License GPL (>= 3)

Encoding UTF-8

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Depends R (>= 2.10),
ggplot2

Imports magrittr,
tidyverse,
plotly,
dplyr,
tidyr

LazyData true

R topics documented:

runGames	1
SUU_performance	2
team_games	2
team_performance	3
team_summary	3
win_loss_scatter	4
Index	5

runGames	<i>Team Win Data App</i>
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Description

This function allows the team win data shiny app to run. The app prompts the user to type in a team name, showing suggestions if they don't input a valid team name. Once the user inputs a valid team name, the app shows that team's win and loss data as well as a summary chart displaying the same information.

Usage

```
runGames()
```

SUU_performance	Create a quick scatter plot in ggplot.
-----------------	--

Description

This will graph SUU's performance based on the games2023 data set.

Usage

```
SUU_performance()
```

Value

This function returns a ggplot bar plot object.

Examples

```
## Create a barplot for SUU's wins and losses.  
SUU_performance()
```

team_games	Create a quick scatter plot in ggplot.
------------	--

Description

This will filter data set containing game data to the games where a team participates only.

Usage

```
team_games(df, team_name)
```

Arguments

df	This is the data frame containing all information.
team_name	This is the name of the team to filter for.

Value

This function returns a single tibble that subsets the original data set.

Examples

```
## Game data for SUU.  
data <- basketPlots::games2023  
team_games(data, "Southern Utah")
```

team_performance	Create a quick scatter plot in ggplot.
------------------	--

Description

This will graph a given team's performance based on the games2023 data set.

Usage

```
team_performance(team)
```

Value

This function returns a ggplot bar plot object.

Examples

```
## Create a barplot for SUU's wins and losses.  
team_performance("Southern Utah")
```

team_summary	Create a quick scatter plot in ggplot.
--------------	--

Description

This will summarize a given team's performance from a data set containing game data.

Usage

```
team_summary(df, team_name)
```

Arguments

df	This is the data frame containing all information.
team_name	This is the name of the team we want a summary of.

Value

This function returns a single tibble row for the team with name, number of wins, losses, and win percentage for columns.

Examples

```
## Summary data for SUU.  
data <- basketPlots::games2023  
team_summary(data, "Southern Utah")
```

`win_loss_scatter`*Create a scatter plot of the teams wins vs losses.*

Description

This will graph the performance of all teams by creating an interactive ggplot style scatter plot of the teams wins vs losses through plotly. The data comes from the winData data set.

Usage

```
win_loss_scatter()
```

Value

This function returns an interactive ggplot scatter plot object.

Examples

```
## Create a scatter plot of the teams wins vs losses.  
win_loss_scatter()
```

Index

runGames, [1](#)

SUU_performance, [2](#)

team_games, [2](#)

team_performance, [3](#)

team_summary, [3](#)

win_loss_scatter, [4](#)