Package 'basketPlots'

February 10, 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:

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`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 orginal data set.

Examples

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

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