

Package ‘engsoccerdata’

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alltimerecord	2
bestwins	3
champs	3
england	4
england1939	5
englandplayoffs	6
facup	7
games_between	8
games_between_sum	8
germany	9

germany2	10
holland	10
italy	11
maketable	12
maketable_eng	12
ngoals	13
n_offs	14
opponentfreq	15
opponents	15
score_most	16
score_team	16
score_teamX	17
spain	18
totgoals	18
worstlosses	19

Index	20
--------------	-----------

alltimerecord	<i>Get a team's all-time record</i>
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Description

Get a team's all-time record

Usage

```
alltimerecord(df = NULL, teamname = NULL)
```

Arguments

df	the results dataset
teamname	team name

Value

a dataframe of all-time records

Examples

```
alltimerecord(england, "Aston Villa")
alltimerecord(england, "York City")
alltimerecord(england, "Rochdale")
```

bestwins	<i>Return each team's best wins</i>
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Description

Return each team's best wins

Usage

```
bestwins(df = NULL, teamname = NULL, type = NULL, N = NULL)
```

Arguments

df	the results dataset
teamname	team name
type	If =NULL then all results are returned. If Otherwise valid types are H, A relating to home-losses, away-losses
N	The total number of games to return

Value

a dataframe of games ending in best wins

Examples

```
bestwins(england,"Everton")  
bestwins(england,"Aston Villa", type="H")  
bestwins(england,"York City", type="A")  
bestwins(england,"Port Vale", N=20)
```

champs	<i>European Cup and Champions League Results 1955-2016</i>
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Description

All results for European Cup and Champions League matches including qualifiers

Usage

```
champs
```

Format

A data frame with 6554 rows and 23 variables:

Date Date of match

Season Season of match - refers to starting year

round round

leg leg - 1, 2, replay

home Home team

visitor Visiting team

FT Full-time result at 90 mins

HT Half-time result

aet After Extra Time result

pens Penalties result, or method of determining tiwinner

hgoal home goals at FT 90mins

vgoal visitor goals at FT 90mins

FTagg_home Total goals at 90mins scored by home team in match-up

FTagg_visitor Total goals at 90mins scored by visitor team in match-up

aethgoal Home team goals after extra time

aetvgoal Visitor team goals after extra time

tothgoal Total home goals scored in FT and Extra Time

totvgoal Total visitor goals scored in FT and Extra Time

totagg_home Total goals scored by home team in matchup

totagg_visitor Total goals scored by visitor team in matchup

tiewinner Eventual Tie Winner - group matched excepted

hcountry Home team country

vcountry Visitor team country

england

English league results 1888-2016

Description

All results for English soccer games in the top 4 tiers from 1888/89 season to 2015/16 season. For playoff games see separate dataset 'englandplayoffs'

Usage

england

Format

A data frame with 192004 rows and 12 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

division Division: 1,2,3,4 or 3a (Old 3-North) or 3b (Old 3-South)

tier Tier of football pyramid: 1,2,3,4

totgoal Total goals in game

goaldif Goal difference in game home goals - visitor goals

result Result: H-Home Win, A-Away Win, D-Draw

england1939

English league results 1939

Description

All results for English soccer games the abandoned 1939/40 season.

Usage

england1939

Format

A data frame with 190096 rows and 12 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

division Division: 1,2,3,4 or 3a (Old 3-North) or 3b (Old 3-South)

tier Tier of football pyramid: 1,2,3,4

totgoal Total goals in game

goaldif Goal difference in game home goals - visitor goals

result Result: H-Home Win, A-Away Win, D-Draw

englandplayoffs

English league playoff results 1892-2016

Description

All results for English league playoff games in the top tier from 1892/93 season to 2015/16 season.

Usage

englandplayoffs

Format

A data frame with 496 rows and 18 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

division Division for playoff

round Round of playoffs

tie Initial tie or replay

htier Tier of football pyramid of home team

vtier Tier of football pyramid of visiting team

aet Did game go to extra time?

pen Did game go to penalties?

pens Result of penalties

Venue Venue

attendance Attendance

neutral Was game played at neutral venue?

facup

English league playoff results 1892-2016

Description

All results for English league playoff games in the top tier from 1892/93 season to 2015/16 season.

Usage

facup

Format

A data frame with 16625 rows and 19 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

round Proper Round

tie Initial tie or replay

aet Did game go to extra time?

pen Did game go to penalties?

pens Result of penalties

hp Total home penalties scored

vp Total visitor penalties scored

Venue Venue

attendance Attendance

nonmatch Was game nonmatch?

notes Notes

neutral Was game played at neutral venue?

games_between	<i>Function to List all games ever between two teams</i>
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Description

Function to List all games ever between two teams

Usage

```
games_between(df = NULL, teamname1 = NULL, teamname2 = NULL)
```

Arguments

df	The results dataframe
teamname1	teamname1
teamname2	teamname2

Value

a dataframe of games between the two teams. If they have never played will return an empty dataframe.

Examples

```
games_between(england, "Aston Villa", "York City")
games_between(england, "Carlisle United", "Chelsea")
```

games_between_sum	<i>Function to List the summary stats of all games ever between two teams</i>
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Description

Function to List the summary stats of all games ever between two teams

Usage

```
games_between_sum(df = NULL, teamname1 = NULL, teamname2 = NULL)
```

Arguments

df	The results dataframe
teamname1	teamname1
teamname2	teamname2

Value

a dataframe with summary of results. Will be empty dataframe if never played.

Examples

```
games_between_sum(england, "Exeter City", "York City")
games_between_sum(england, "Aston Villa", "York City")
games_between_sum(england, "Manchester United", "Liverpool")
```

germany

German Bundesliga 1 league results 1963-2016

Description

All results for German soccer games in the top tier from 1963/64 season to 2015/16 season.

Usage

```
germany
```

Format

A data frame with 16120 rows and 8 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

tier Tier of football pyramid: 1

germany2

German Bundesliga 2 league results 1974-2016

Description

All results for German soccer games in the second tier from 1974/75 season to 2015/16 season.

Usage

germany2

Format

A data frame with 17290 rows and 9 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

tier Tier of football pyramid: 2

division division - 2, 2South or 2North

holland

Dutch league results 1956-2016

Description

All results for Dutch soccer games in the top tier from 1956/57 season to 2015/16 season.

Usage

holland

Format

A data frame with 18096 rows and 8 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

tier Tier of football pyramid: 1

italy

Italy league results 1934-2016

Description

All results for Italian soccer games in the top tier from 1934/35 season to 2015/16 season.

Usage

italy

Format

A data frame with 25404 rows and 8 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

tier Tier of football pyramid: 1

maketable	<i>Make a league table</i>
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Description

Make a league table

Usage

```
maketable(df = NULL, Season = NULL, tier = NULL, pts = 3)
```

Arguments

df	The results dataframe
Season	The Season
tier	The tier
pts	Points for a win. Default is 3.

Value

a dataframe with a league table

Notes

The table that is produced is based upon 3 points for a win (unless otherwise defined), 1 for a draw and 0 for a loss. The table is sorted based upon descending GD and then descending GF as tie-breakers. Different leagues have had different methods for tie-breaks over the years. This league table is a simple generic one. It also does not evaluate points deducted from teams or if games were artificially awarded to one side based on games not being played.

Examples

```
maketable(df=england,Season=2013,tier=1,pts=3)
```

maketable_eng	<i>Make an English league table</i>
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Description

Make an English league table

Usage

```
maketable_eng(df = NULL, Season = NULL, tier = NULL, division = NULL)
```

Arguments

df	The results dataframe
Season	The Season
tier	The tier - must be included
division	The division

Value

a dataframe with a league table

Notes

This table makes league tables according to the points and tie-breaking procedures that were in place for each league in each year. It also does not evaluate points deducted from teams or if games were artificially awarded to one side based on games not being played.

Examples

```

maketable_eng(df=england, Season=1920, tier=1)
maketable_eng(df=england, Season=1947, division="3a", tier=3)
maketable_eng(df=england, Season=1975, tier=1)
maketable_eng(df=england, Season=1975, tier=2)
maketable_eng(df=england, Season=1981, tier=1)

```

ngoals	<i>Return all instances of a team scoring n goals</i>
--------	---

Description

Return all instances of a team scoring n goals

Usage

```
ngoals(df = NULL, n = NULL, teamname = NULL)
```

Arguments

df	The results dataframe
n	Number of goals
teamname	teamname

Value

a dataframe with summary of results.

Examples

```
ngoals(england, 7, "York City")
ngoals(england, 8, "Manchester United")
ngoals(england, 9, "Aston Villa")
```

n_offs

Return Scorelines that only occurred n times in history

Description

note don't try this with 0 - won't return infinite possible scorelines If you pick crazy numbers for the number of times e.g. 34223, you'll get an error message this function is meant for small numbers of occurrences

Usage

```
n_offs(df = NULL, N = NULL, Tier = NULL)
```

Arguments

df	The results dataframe
N	The Number of instances
Tier	Tier

Value

a dataframe with summary of results.

Examples

```
n_offs(england, 1) #return results that have occurred only once across all four tiers
n_offs(england, 2) #return results that have occurred only twice across all four tiers
n_offs(england, 3) #return results that have occurred 3 times across all four tiers

n_offs(england, 1, 1) #return which results have occurred only once in the top tier
n_offs(england, 1, 4) #return which results have occurred only once in the 4th tier
n_offs(england, 2, 2) #return which results have occurred twice in the 2nd tier
n_offs(england, 5, 3) #return which results have occurred five times in the 3rd tier
```

opponentfreq	<i>The number of times a team has played against each opponent</i>
--------------	--

Description

The number of times a team has played against each opponent

Usage

```
opponentfreq(df = NULL, teamname = NULL)
```

Arguments

df	The results dataframe
teamname	teamname

Value

a dataframe with frequency of matches and team.

Examples

```
opponentfreq(england, "Aston Villa")
opponentfreq(england, "York City")
opponentfreq(england, "Milton Keynes Dons")
```

opponents	<i>Total number of unique opponents</i>
-----------	---

Description

Total number of unique opponents

Usage

```
opponents(df = NULL, Tier = NULL)
```

Arguments

df	A results dataframe
Tier	Tier

Value

a dataframe with teams and frequency of unique opponents

Examples

```
opponents(england)
opponents(england, 4)
```

score_most

Team who has been involved in the most games of each scoreline

Description

Team who has been involved in the most games of each scoreline

Usage

```
score_most(df, score)
```

Arguments

df	Results dataframe
score	score

Value

a dataframe with frequency of matches and team.

Examples

```
score_most(england, "6-6")
score_most(england, "8-0")
score_most(england, "9-1")
```

score_team

Lists all matches that a team has played in that ended in a scoreline

Description

Lists all matches that a team has played in that ended in a scoreline

Usage

```
score_team(df = NULL, score = NULL, teamname = NULL)
```

Arguments

df	the results dataset
score	the scoreline
teamname	the team

Value

a dataframe of games ending in that result

Examples

```
score_team(england, "1-0", "Arsenal") # All games ending 1-0 or 0-1 involving Arsenal
score_team(england, "4-3", "Coventry City") # All games ending 4-3 or 3-4 involving Coventry City
```

score_teamX

List all occurrences of a specific scoreline for a specific team

Description

List all occurrences of a specific scoreline for a specific team

Usage

```
score_teamX(df = NULL, score = NULL, teamname = NULL)
```

Arguments

df	the results dataset
score	the scoreline
teamname	the team

Value

a dataframe of games ending in that result

Examples

```
score_teamX(england, "4-4", "Tottenham Hotspur")
#all 4-4 draws Tottenham Hotspur have played in (home and away)

score_teamX(england, "3-5", "York City")
#list all 5-3 defeats suffered by York City (regardless of if occurred home/away)

score_teamX(england, "5-3", "York City")
#list all 5-3 victories by York City (regardless of if occurred home/away)

score_teamX(england, "8-0", "Arsenal")
#list all 8-0 victories by Arsenal (regardless of if occurred home/away)

score_teamX(england, "0-8", "Arsenal")
#list all 8-0 defeats suffered by Arsenal (regardless of if occurred home/away)
```

spain

Spanish league results 1928-2016

Description

All results for Spanish soccer games in the top tier from 1928/29 season to 2015/16 season. Also includes playoff games

Usage

spain

Format

A data frame with 23915 rows and 12 variables:

Date Date of match

Season Season of match - refers to starting year

home Home team

visitor Visiting team

HT Half-time result

FT Full-time result

hgoal Goals scored by home team

vgoal Goals scored by visiting team

tier Tier of football pyramid: 1

round Whether league or playoff play

group League group - certain seasons had league sub-groups

notes Notes about fixture

totgoals

Return all instances of a team being involved in a game with n goals

Description

Return all instances of a team being involved in a game with n goals

Usage

```
totgoals(df = NULL, N = NULL, teamname = NULL)
```

Arguments

df	The results dataframe
N	Number of goals
teamname	teamname

Value

a dataframe with matches

Examples

```
totgoals(england, 10, "York City")
totgoals(england, 12, "Aston Villa")
```

worstlosses	<i>Return each team's worst losses</i>
-------------	--

Description

Return each team's worst losses

Usage

```
worstlosses(df = NULL, teamname = NULL, type = NULL, N = NULL)
```

Arguments

df	the results dataset
teamname	team name
type	If =NULL then all results are returned. If Otherwise valid types are H, A relating to home-losses, away-losses
N	The total number of games to return

Value

a dataframe of games ending in worst losses

Examples

```
worstlosses(england, "Everton")
worstlosses(england, "Aston Villa", type="H")
worstlosses(england, "York City", type="A")
worstlosses(england, "Port Vale", N=20)
worstlosses(england, "Hull City", type="A", N=7)
```

Index

* datasets

- champs, 3
 - england, 4
 - england1939, 5
 - englandplayoffs, 6
 - facup, 7
 - germany, 9
 - germany2, 10
 - holland, 10
 - italy, 11
 - spain, 18
- alltimerecord, 2
- bestwins, 3
- champs, 3
- england, 4
- england1939, 5
- englandplayoffs, 6
- facup, 7
- games_between, 8
- games_between_sum, 8
- germany, 9
- germany2, 10
- holland, 10
- italy, 11
- maketable, 12
- maketable_eng, 12
- n_offs, 14
- ngoals, 13
- opponentfreq, 15
- opponents, 15
- score_most, 16
- score_team, 16
- score_teamX, 17
- spain, 18
- totgoals, 18
- worstlosses, 19