

# Package ‘engsoccerdata’

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**Author** James Curley  
**Maintainer** James Curley <jc3181@columbia.edu>  
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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)
```

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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

**tiwinner** Eventual Tie Winner - group matched excepted

**hcountry** Home team country

**vcountry** Visitor team country

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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

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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?

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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")
```

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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

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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)
```

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

**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
```

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

**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>
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---

**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	<i>Team who has been involved in the most games of each scoreline</i>
------------	---

---

**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	<i>Lists all matches that a team has played in that ended in a scoreline</i>
------------	--

---

**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)
```

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