

Package ‘yorkr’

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Type Package

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Title Analyze Cricket Performances Based on Data from Cricsheet

Description Analyzing performances of cricketers and cricket teams based on 'yaml' match data from Cricsheet <<http://cricsheet.org>>.

Date 2017-01-06

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batsmanCumulativeAverageRuns

Batsman's cumulative average runs

Description

This function computes and plots the cumulative average runs of a batsman

Usage

```
batsmanCumulativeAverageRuns(df,name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanCumulativeStrikeRate](#) [bowlerCumulativeAvgEconRate](#) [bowlerCumulativeAvgWickets](#)
[batsmanRunsVsStrikeRate](#) [batsmanRunsPredict](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanCumulativeAverageRuns(kohli,"Kohli")  
  
## End(Not run)
```

batsmanCumulativeStrikeRate

Batsman's cumulative average strike rate

Description

This function computes and plots the cumulative average strike rate of a batsman

Usage

```
batsmanCumulativeStrikeRate(df,name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanCumulativeAverageRuns](#) [bowlerCumulativeAvgEconRate](#) [bowlerCumulativeAvgWickets](#)
[batsmanRunsVsStrikeRate](#) [batsmanRunsPredict](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanCumulativeStrikeRate(kohli,"Kohli")  
  
## End(Not run)
```

batsmanDismissals	<i>Dismissal type of batsmen</i>
-------------------	----------------------------------

Description

This function computes and plots the type of dismissals of the the batsman

Usage

```
batsmanDismissals(df,name="A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanDismissals(kohli,"Kohli")  
  
## End(Not run)
```

batsmanFoursSixes	<i>Batsman's total runs, fours and sixes</i>
-------------------	--

Description

This function computes and plots the total runs, fours and sixes of the batsman

Usage

```
batsmanFoursSixes(df,name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#) [batsmanRunsVsDeliveries](#) [batsmanRunsVsStrikeRate](#) [batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
kohli46 <- select(kohli,batsman,ballsPlayed,fours,sixes,runs)  
batsmanFoursSixes(kohli46,"Kohli")  
  
## End(Not run)
```

batsmanMovingAverage *Moving average of batsman*

Description

This function plots the runs scored by the batsman over the career as a time series. A loess regression line is plotted on the moving average of the batsman the batsman

Usage

```
batsmanMovingAverage(df, name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)
[teamBatsmenPartnershipAllOppnAllMatches](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanMovingAverage(kohli,"Kohli")  
  
## End(Not run)
```

batsmanRunsAgainstOpposition

Batsman runs against different oppositions

Description

This function computes and plots the mean runs scored by the batsman against different oppositions

Usage

```
batsmanRunsAgainstOpposition(df, name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)
[teamBatsmenPartnershipAllOppnAllMatches](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanRunsAgainstOpposition(kohli,"Kohli")  
  
## End(Not run)
```

batsmanRunsPredict *Predict deliveries to runs scored*

Description

This function uses a classification tree to predict the number of deliveries required for the batsman to score the runs. It uses the package rpart to perform the classification

Usage

```
batsmanRunsPredict(df, name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)
[teamBatsmenPartnershipAllOppnAllMatches](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanRunsVsStrikeRate(kohli,"Kohli")  
  
## End(Not run)
```

batsmanRunsVenue

Batsman runs at different venues

Description

This function computes and plots the mean runs scored by the batsman at different venues of the world

Usage

```
batsmanRunsVenue(df, name= "A Leg Glance")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)
[teamBatsmenPartnershipAllOppnAllMatches](#)
[batsmanRunsAgainstOpposition](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanRunsVenue(kohli,"Kohli")  
  
## End(Not run)
```

batsmanRunsVsDeliveries

Runs versus deliveries faced

Description

This function plots the runs scored and the deliveries required. A regression smoothing function is used to fit the points

Usage

```
batsmanRunsVsDeliveries(df, name= "A Late Cut")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanRunsVsDeliveries(kohli,"Kohli")  
  
## End(Not run)
```

batsmanRunsVsStrikeRate

Batsman runs versus strike rate

Description

This function plots the runs scored by the batsman and the runs scored by the batsman. A loess line is fitted over the points

Usage

```
batsmanRunsVsStrikeRate(df, name= "A Late Cut")
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[batsmanRunsPredict](#)
[teamBatsmenPartnershipAllOppnAllMatches](#)

Examples

```
## Not run:  
#Get the data frame for Kohli  
kohli <- getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
batsmanRunsVsStrikeRate(kohli,"Kohli")  
  
## End(Not run)
```

bowlerCumulativeAvgEconRate

Bowler's cumulative average economy rate

Description

This function computes and plots the cumulative average economy rate of a bowler

Usage

```
bowlerCumulativeAvgEconRate(df, name)
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanCumulativeAverageRuns](#) [bowlerCumulativeAvgWickets](#) [batsmanCumulativeStrikeRate](#)
[batsmanRunsVsStrikeRate](#) [batsmanRunsPredict](#)

Examples

```
## Not run: )  
#'Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerCumulativeAvgEconRate(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerCumulativeAvgWickets

Bowler's cumulative average wickets

Description

This function computes and plots the cumulative average wickets of a bowler

Usage

```
bowlerCumulativeAvgWickets(df,name)
```

Arguments

df	Data frame
name	Name of batsman

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanCumulativeAverageRuns](#) [bowlerCumulativeAvgEconRate](#) [batsmanCumulativeStrikeRate](#)
[batsmanRunsVsStrikeRate](#) [batsmanRunsPredict](#)

Examples

```
## Not run: )  
#'Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerCumulativeAvgWickets(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerDeliveryWickets *Number of deliveries to wickets*

Description

This function creates a dataframe of balls bowled versus the wickets taken by the bowler

Usage

```
bowlerDeliveryWickets(match,theTeam,name)
```

Arguments

match	Data frame of the match
theTeam	The team for which the delivery wickets have to be computed
name	The name of the bowler

Value

dataframe

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[bowlerDeliveryWickets](#)
[bowlerMeanEconomyRate](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
#Get match data  
match <- getMatchDetails("England", "Pakistan", "2006-09-05", dir="../data")  
bowlerDeliveryWickets(match, "India", "Jadeja")  
  
## End(Not run)
```

bowlerMeanEconomyRate *Mean economy rate versus number of overs*

Description

This function computes and plots mean economy rate and the number of overs bowled by the bowler

Usage

```
bowlerMeanEconomyRate(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerMeanEconomyRate(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerMeanRunsConceded

Mean runs conceded versus overs

Description

This function computes and plots mean runs conceded by the bowler for the number of overs bowled by the bowler

Usage

```
bowlerMeanRunsConceded(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerMeanRunsConceded(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerMovingAverage *Bowler's moving average of wickets*

Description

This function computes and plots the wickets taken by the bowler over career. A loess regression fit plots the moving average of wickets taken by bowler

Usage

```
bowlerMovingAverage(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMeanEconomyRate](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerMeanRunsConceded(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerWicketPlot *Average wickets versus of overs bowled*

Description

This function computes and plots the average wickets taken by the bowler versus the number of overs bowled

Usage

```
bowlerWicketPlot(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMeanEconomyRate](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerWicketPlot(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerWicketsAgainstOpposition

Bowler wickets versus different teams

Description

This function computes and plots mean number of wickets taken by the bowler against different opposition

Usage

```
bowlerWicketsAgainstOpposition(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerWicketsAgainstOpposition(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerWicketsVenue *Bowler performance at different venues*

Description

This function computes and plots mean number of wickets taken by the bowler in different venues

Usage

```
bowlerWicketsVenue(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=pathToFile)  
bowlerWicketsVenue(jadeja,"RA Jadeja")  
  
## End(Not run)
```

bowlerWktsPredict	<i>Predict the deliveries required to wickets</i>
-------------------	---

Description

This function uses a classification tree to compute the number deliveries needed versus the wickets taken

Usage

```
bowlerWktsPredict(df, name)
```

Arguments

df	Data frame
name	Name of bowler

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get the data frame for RA Jadeja  
jadeja1 <- getDeliveryWickets(team="India",name="Jadeja",save=FALSE)  
bowlerWktsPredict(jadeja1,"RA Jadeja")  
  
## End(Not run)
```

convertAllYaml2RDataframes

Convert and save all Yaml files to dataframes

Description

This function covers all Yaml files from source directory to data frames. The data frames are then stored as .RData. The saved files are of the format team1-team2-date.RData For e.g. England-India-2008-04-06.RData etc

Usage

```
convertAllYaml2RDataframes(sourceDir=".",targetDir=".")
```

Arguments

sourceDir	The source directory of the yaml files
targetDir	The target directory in which the data frames are stored as RData files

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[convertYaml2RDataframe](#)

Examples

```
## Not run:  
# In the example below ../yamldir is the source dir for the yaml files  
convertAllYaml2RDataframes("../yamldir", "../data")  
  
## End(Not run)
```

convertAllYaml2RDataframesT20

Convert and save all T20 Yaml files to dataframes

Description

This function covers all T20 Yaml files from source directory to data frames. The data frames are then stored as .RData. The saved files are of the format team1-team2-date.RData For e.g. England-India-2008-04-06.RData etc

Usage

```
convertAllYaml2RDataframesT20(sourceDir=".", targetDir=".")
```

Arguments

sourceDir	The source directory of the yaml files
targetDir	The target directory in which the data frames are stored as RData files

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[convertYaml2RDataframeT20](#)

Examples

```
## Not run:  
# In the example below ../yamldir is the source dir for the yaml files  
convertAllYaml2RDataframesT20("../yamldir","../data")  
  
## End(Not run)
```

convertYaml2RDataframe

Converts and save yaml files to dataframes

Description

This function coverts all Yaml files from source directory to data frames. The data frames are then stored as .RData. The saved file is of the format team1-team2-date.RData For e.g. England-India-2008-04-06.RData etc

Usage

```
convertYaml2RDataframe(yamlFile,sourceDir=".",targetDir=".")
```

Arguments

yamlFile	The yaml file to be converted to dataframe and saved
sourceDir	The source directory of the yaml file
targetDir	The target directory in which the data frame is stored as RData file

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[convertAllYaml2RDataframes](#)

Examples

```
## Not run:  
# In the example below ../yamldir c  
convertYaml2RDataframe("225171.yaml", ".", "../data")  
  
## End(Not run)
```

```
convertYaml2RDataframeT20
```

Converts and save T20 yaml files to dataframes

Description

This function coverts all T20 Yaml files from source directory to data frames. The data frames are then stored as .RData. The saved file is of the format team1-team2-date.RData For e.g. England-India-2008-04-06.RData etc

Usage

```
convertYaml2RDataframeT20(yamlFile, sourceDir=".", targetDir=".")
```

Arguments

yamlFile	The yaml file to be converted to dataframe and saved
sourceDir	The source directory of the yaml file
targetDir	The target directory in which the data frame is stored as RData file

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[convertAllYaml2RDataframesT20](#)

Examples

```
## Not run:  
# In the example below ../yamldir c  
convertYaml2RDataframe("225171.yaml", ".", "../data")  
  
## End(Not run)
```

`getAllMatchesAllOpposition`

Get data on all matches against all opposition

Description

This function gets all the matches for a particular team for e.g India, Pakistan, Australia etc against all other oppositions. It constructs a huge dataframe of all these matches. This can be saved by the user which can be used in function in which analyses are done for all matches and for all oppositions. This is done by loading the saved .RData for each match and performing an rbind of the data frames for each match

Usage

```
getAllMatchesAllOpposition(team,dir=".",save=FALSE)
```

Arguments

team	The team for which all matches and all opposition has to be obtained e.g. India, Pakistan
dir	The directory in which the saved .RData files exist
save	Default=FALSE. This parameter indicates whether the combined data frame needs to be saved or not. It is recommended to save this large dataframe as the creation of this data frame takes a several seconds depending on the number of matches

Value

match The combined data frame

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
# Get all matches for team India  
getAllMatchesAllOpposition("India",dir="./data/",save=TRUE)  
getAllMatchesAllOpposition("Australia",dir="./mysavedata/",save=TRUE)  
  
## End(Not run)
```

`getAllMatchesBetweenTeams`*Get data on all matches between 2 opposing teams*

Description

This function gets all the data on matches between opposing teams for e.g India-Pakistan, England-Australia, South Africa- Sri Lanka etc. It constructs a huge dataframe of all these matches. This can be saved by the user which can be used in function in which analyses are done for all matches between these teams. This is done by loading the saved .RData for each match and performing an rbind of the data frames for each match

Usage

```
getAllMatchesBetweenTeams(team1, team2, dir=".", save=FALSE)
```

Arguments

<code>team1</code>	One of the team in consideration e.g (India, Australia, England)
<code>team2</code>	The other team for which matches are needed e.g(India, Sri Lanka, Pakistan)
<code>dir</code>	The directory which has the RData files of matches between teams
<code>save</code>	Default=FALSE. This parameter indicates whether the combined data frame needs to be saved or not. It is recommended to save this large dataframe as the creation of this data frame takes a several seconds depending on the number of matches

Value

`matches` The combined data frame

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[bowlerMovingAverage](#)
[bowlerWicketPlot](#)
[bowlerWicketsVenue](#)
[getAllMatchesAllOpposition](#)

Examples

```
## Not run:  
# Get all matches for team India  
getAllMatchesAllOpposition("India",dir="./data/",save=TRUE)  
getAllMatchesAllOpposition("Australia",dir="./mysavedata/",save=TRUE)  
  
## End(Not run)
```

getBatsmanDetails	<i>Get batting details of batsman from match</i>
-------------------	--

Description

This function gets the batting details of a batsman given the match data as a RData file

Usage

```
getBatsmanDetails(team,name,dir=".")
```

Arguments

team	The team of the batsman e.g. India
name	Name of batsman
dir	The directory where the source file exists

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanRunsPredict](#)
[batsmanMovingAverage](#)
[bowlerWicketsVenue](#)
[bowlerMeanRunsConceded](#)

Examples

```
## Not run:  
getBatsmanDetails(team="India",name="Kohli",dir=pathToFile)  
  
## End(Not run)
```

```
getBowlerWicketDetails
```

Get the bowling details of a bowler

Description

This function gets the bowling of a bowler (overs,maidens,runs,wickets,venue, opposition)

Usage

```
getBowlerWicketDetails(team,name,dir=".")
```

Arguments

team	The team to which the bowler belongs
name	The name of the bowler
dir	The source directory of the data

Value

dataframe The dataframe of bowling performance

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[getTeamBowlingDetails](#)
[bowlerMeanRunsConceded](#)
[teamBowlersWicketRunsOppnAllMatches](#)

Examples

```
## Not run:  
# Get the bowling details of bowlers of a team e.g. India. This is saved as a dataframe  
c <- getTeamBowlingDetails("India",dir="../data",save=TRUE)  
#Get the bowler details from this overall data frame  
  
jadeja <- getBowlerWicketDetails(team="India",name="Jadeja",dir=".")  
  
# The dataframe from the above call is used in many functions  
#bowlerMeanEconomyRate(jadeja,"RA Jadeja")  
  
## End(Not run)
```

getDeliveryWickets *Get dataframe of deliveries bowled and wickets taken*

Description

This function creates a data frame of deliveries bowled and wickets taken. This data frame is then used by bowlerWktsPredict to predict the number of deliveries to wickets taken

Usage

```
getDeliveryWickets(team,dir=".",name,save=FALSE)
```

Arguments

team	The team for which dataframe is to be obtained
dir	The source directory in which the match .RData files exist
name	The name of the bowler
save	Whether the data frame needs to be saved to a file or not

Value

dataframe The dataframe of delivery wickets

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[bowlerMovingAverage](#)
[getTeamBowlingDetails](#)
[bowlerWktsPredict](#)
[teamBowlersWicketRunsOppnAllMatches](#)

Examples

```
## Not run:  
# Create a data frame of deliveries to wickets from the stored .RData files  
jadeja1 <- getDeliveryWickets(team="India",dir="../data",name="Jadeja",save=FALSE)  
  
# Use this to create a classification tree of deliveries to wickets  
bowlerWktsPredict(jadeja1,"RA Jadeja")  
  
## End(Not run)
```

getMatchDetails *Get match details of 2 countries*

Description

This function gets the details of a match played between 2 countries from the saved RData files and returns a dataframe

Usage

```
getMatchDetails(team1, team2, date, dir=".")
```

Arguments

team1	The 1st team in the match
team2	The 2nd team in the match
date	The date on which the match was played
dir	The source directory of the RData files with all matches

Value

match The dataframe of the match

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[getTeamBattingDetails](#)
[getTeamBowlingDetails](#)

Examples

```
## Not run:
# convertAllYaml2RDataframes() & convertYaml2RDataframe convert yaml files
# to data frame and store as RData
# We have to point to this directory for the call below
a <- getMatchDetails("England","Pakistan","2006-09-05",dir=" ../data")

# Use this to create a classification tree of deliveries to wickets
bowlerWktsPredict(jadeja1,"RA Jadeja")

## End(Not run)
```

getTeamBattingDetails *Get team batting details*

Description

This function gets the batting details of a team in all matches against all oppositions. This gets all the details of the batsmen balls faced,4s,6s,strikerate, runs, venue etc. This function is then used for analyses of batsmen. This function calls teamBattingPerfDetails()

Usage

```
getTeamBattingDetails(team,dir=".",save=FALSE)
```

Arguments

team	The team for which batting details is required
dir	The source directory of RData files obtained with convertAllYaml2RDataframes()
save	Whether the data frame needs to be saved as RData or not. It is recommended to set save=TRUE as the data can be used for a lot of analyses of batsmen

Value

battingDetails The dataframe with the batting details

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[batsmanDismissals](#)
[getTeamBowlingDetails](#)

Examples

```
## Not run:  
a <- getTeamBattingDetails("India",dir="../data", save=TRUE)  
  
## End(Not run)
```

getTeamBowlingDetails *Get the team bowling details*

Description

This function gets the bowling details of a team in all matches against all oppositions. This gets all the details of the bowlers for e.g deliveries, maidens, runs, wickets, venue, date, winner ec

Usage

```
getTeamBowlingDetails(team,dir=".",save=FALSE)
```

Arguments

team	The team for which detailed bowling info is required
dir	The source directory of RData files obtained with convertAllYaml2RDataframes()
save	Whether the data frame needs to be saved as RData or not. It is recommended to set save=TRUE as the data can be used for a lot of analyses of batsmen

Value

bowlingDetails The dataframe with the bowling details

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[batsmanDismissals](#)
[getTeamBattingDetails](#)

Examples

```
## Not run:  
a <- getTeamBowlingDetails("India",dir="../data",save=TRUE)  
  
## End(Not run)
```

matchWormGraph	<i>Plot the match worm graph</i>
----------------	----------------------------------

Description

This function plots the match worm graph between 2 teams in a match

Usage

```
matchWormGraph(match, t1, t2)
```

Arguments

match	The dataframe of the match
t1	The 1st team of the match
t2	the 2nd team in the match

Value

none

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[batsmanDismissals](#)
[getTeamBattingDetails](#)

Examples

```
## Not run:  
#Get the match details  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir = "../temp")  
  
# Plot the match worm plot  
matchWormGraph(a, 'England', "Pakistan")  
  
## End(Not run)
```

parseYamlOver

Parse yaml file and convert to dataframe

Description

This function parses the yaml file and converts it into a data frame. This is an internal function and is used by `convertAllYaml2RDataframes()` & `convertYaml2RDataframe()`

Usage

```
parseYamlOver(match, s, ateam, overs, delivery, meta)
```


Arguments

match	The dataframe of the match
s	The string with the delivery
ateam	The team
overs	overs
delivery	The delivery of the over
meta	The meta information of the match

Value

overs The dataframe of overs

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[batsmanDismissals](#)
[getTeamBattingDetails](#)

Examples

```
## Not run:  
# Parse the yaml over  
  
## End(Not run)
```

`plotWinLossBetweenTeams`*Plot wins for each team*

Description

This function computes and plots number of wins for each team in all their encounters. The plot includes the number of wins byteam1 each team and the matches with no result

Usage

```
plotWinLossBetweenTeams(team1, team2, dir=".")
```

Arguments

team1	The 1st team
team2	The 2nd team
dir	The source directory of teh RData files

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanFoursSixes](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)

Examples

```
## Not run:  
  
plotWinLossBetweenTeams(team1="India", team2="Australia", dir=pathToFile)  
batsmanDismissals(kohli, "Kohli")  
  
## End(Not run)
```

rankIPLBatsmen	<i>Ranks the IPL batsmen</i>
----------------	------------------------------

Description

This function creates a single dataframe of all IPL batsmen and then ranks them

Usage

```
rankIPLBatsmen()
```

Value

The ranked IPL batsmen

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBowlers](#)
[rankODIBowlers](#)
[rankODIBatsmen](#)
[rankT20Batsmen](#)
[rankT20Bowlers](#)

Examples

```
## Not run:  
#  
iplBatsmanRank <- rankIPLBatsmen()  
  
## End(Not run)
```

rankIPLBowlers	<i>Ranks the IPL bowlers</i>
----------------	------------------------------

Description

This function creates a single dataframe of all IPL bowlers and then ranks them

Usage

```
rankIPLBowlers()
```

Value

The ranked IPL batsmen

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBatsmen](#)
[rankODIBowlers](#)
[rankODIBatsmen](#)
[rankT20Batsmen](#)
[rankT20Bowlers](#)

Examples

```
## Not run:  
#  
iplBowlersRank <- rankIPLBowlers()  
  
## End(Not run)
```

rankODIBatsmen	<i>Ranks the ODI batsmen</i>
----------------	------------------------------

Description

This function creates a single dataframe of all ODI batsmen and then ranks them

Usage

```
rankODIBatsmen()
```

Value

The ranked ODI batsmen

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBowlers](#)
[rankODIBowlers](#)
[rankT20Batsmen](#)
[rankT20Bowlers](#)

Examples

```
## Not run:  
odiBatsmanRank <- rankODIBatsmen()  
  
## End(Not run)
```

rankODIBowlers	<i>Ranks the ODI bowlers</i>
----------------	------------------------------

Description

This function creates a single dataframe of all ODI bowlers and then ranks them

Usage

```
rankODIBowlers()
```

Value

The ranked ODI bowlers

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBowlers](#)
[rankIPLBowlers](#)
[rankODIBatsmen](#)
[rankT20Batsmen](#)

Examples

```
## Not run:  
#  
odiBattersRank <- rankODIBatters()  
  
## End(Not run)
```

rankT20Batsmen	<i>Ranks the T20 batsmen</i>
----------------	------------------------------

Description

This function creates a single dataframe of all T20 batsmen and then ranks them

Usage

```
rankT20Batsmen()
```

Value

The ranked T20 batsmen

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBatters](#)
[rankODIBatters](#)
[rankODIBatters](#)
[rankT20Batters](#)

Examples

```
## Not run:  
#  
t20BatsmanRank <- rankT20Batsmen()  
  
## End(Not run)
```

rankT20Bowlers	<i>Ranks the T20 bowlers</i>
----------------	------------------------------

Description

This function creates a single dataframe of all T20 batsmen and then ranks them

Usage

```
rankT20Bowlers()
```

Value

The ranked T20 bowlers

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[rankIPLBowlers](#)
[rankODIBowlers](#)
[rankODIBatsmen](#)
[rankT20Batsmen](#)

Examples

```
## Not run:  
#  
t20BowlersRank <- rankT20Bowlers()  
  
## End(Not run)
```

```
saveAllMatchesAllOpposition  
Saves matches of all opposition as dataframe
```

Description

This function saves all matches against all opposition as a single dataframe in the current directory

Usage

```
saveAllMatchesAllOpposition(dir)
```

Arguments

dir Directory to store saved matches

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[getAllMatchesAllOpposition](#)
[getAllMatchesBetweenTeams](#)

Examples

```
## Not run:  
saveAllMatchesBetweenTeams  
  
## End(Not run)
```

```
saveAllMatchesAllOppositionIPLT20
```

Saves matches against all IPL teams as dataframe for an IPL team

Description

This function saves all IPL matches against all opposition as a single dataframe in the current directory

Usage

```
saveAllMatchesAllOppositionIPLT20(dir)
```

Arguments

dir Directory to store saved matches

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[getAllMatchesAllOpposition](#)
[getAllMatchesBetweenTeams](#)

Examples

```
## Not run:  
saveAllMatchesAllOppositionT20  
  
## End(Not run)
```

```
saveAllMatchesBetween2IPLTeams  
    Saves all matches between 2 IPL teams as dataframe
```

Description

This function saves all matches between 2 IPL teams as a single dataframe in the current directory

Usage

```
saveAllMatchesBetween2IPLTeams(dir)
```

Arguments

dir Directory to store saved matches

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[getAllMatchesAllOpposition](#)
[getAllMatchesBetweenTeams](#)

Examples

```
## Not run:  
saveAllMatchesBetween2IPLTeams  
  
## End(Not run)
```

```
saveAllMatchesBetweenTeams  
    Saves all matches between 2 teams as dataframe
```

Description

This function saves all matches between 2 teams as a single dataframe in the current directory

Usage

```
saveAllMatchesBetweenTeams(dir)
```

Arguments

dir Directory to store saved matches

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[batsmanDismissals](#)
[batsmanRunsVsDeliveries](#)
[batsmanRunsVsStrikeRate](#)
[getAllMatchesAllOpposition](#)
[getAllMatchesBetweenTeams](#)

Examples

```
## Not run:  
saveAllMatchesBetweenTeams  
  
## End(Not run)
```

specialProc	<i>Used to parse yaml file</i>
-------------	--------------------------------

Description

This is special processing function. This is an internal function and is used by `convertAllYaml2RDataframes()` & `convertYaml2RDataframe()`

Usage

```
specialProc(dist, overset, ateam, over, str1, meta)
```

Arguments

dist	dist
overset	overset
ateam	The team
over	over
str1	str1
meta	The meta information of the match

Value

over The dataframe of over

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[getBatsmanDetails](#)
[getBowlerWicketDetails](#)
[batsmanDismissals](#)
[getTeamBattingDetails](#)

Examples

```

## Not run:
# Parse the yaml over

## End(Not run)

```

```
teamBatsmenPartnershiOppnAllMatches
```

Team batting partnership against a opposition all matches

Description

This function computes the performance of batsmen against all bowlers of an oppositions in all matches. This function returns a dataframe

Usage

```
teamBatsmenPartnershiOppnAllMatches(matches, theTeam, report="summary")
```

Arguments

matches	All the matches of the team against the oppositions
theTeam	The team for which the the batting partnerships are sought
report	If the report="summary" then the list of top batsmen with the highest partnerships is displayed. If report="detailed" then the detailed break up of partnership is returned as a dataframe

Value

partnerships The data frame of the partnerships

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenMatch](#)
[teamBattingScorecardMatch](#)

Examples

```
## Not run:
# Get all matches for team India against all oppositions
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")
# You can also directly load the data
#load("India-Australia-allMatches.RData")

m <- teamBatsmenPartnershiOppnAllMatches(a, 'India', report="summary")
m <- teamBatsmenPartnershiOppnAllMatches(a, 'Australia', report="detailed")

## End(Not run)
```

```
teamBatsmenPartnershipAllOppnAllMatches
```

Team batting partnership in all matches all oppositions

Description

This function computes the batting partnership of a team against all oppositions in all matches. This function returns a dataframe which is a summary of the batsman with the highest partnerships or the partnership of an individual batsman.

Usage

```
teamBatsmenPartnershipAllOppnAllMatches(matches, theTeam, report="summary")
```

Arguments

matches	All the matches of the team against all oppositions
theTeam	The team for which the the batting partnerships are sought
report	if the report="summary" then the data frame returned gives a list of the batsmen with the highest partnerships. If report="detailed" then the detailed breakup of the partnership is returned.

Value

partnerships The data frame with the partnerships

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches for team India against all oppositions  
m <-teamBattingScorecardAllOppnAllMatches(matches,theTeam="India")  
# Get the summary report  
teamBatsmenPartnershipAllOppnAllMatches(matches,theTeam='India')  
  
# Get the detailed report  
teamBatsmenPartnershipAllOppnAllMatches(matches,theTeam='India',report="detailed")  
  
## End(Not run)
```

teamBatsmenPartnershipAllOppnAllMatchesPlot

Plots team batting partnership all matches all oppositions

Description

This function plots the batting partnership of a team against all oppositions in all matches. This function also returns a dataframe with the batting partnerships.

Usage

```
teamBatsmenPartnershipAllOppnAllMatchesPlot(matches, theTeam, main, plot=TRUE)
```

Arguments

matches	All the matches of the team against all oppositions
theTeam	The team for which the the batting partnerships are sought
main	The main team for which the the batting partnerships are sought
plot	Whether the partnerships have top be rendered as a plot. If plot=FALSE the data frame is returned

Value

None or partnerships

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches for team India against all oppositions  
d <- teamBatsmanVsBowlersAllOppnAllMatchesRept(matches, "India", rank=1, dispRows=50)  
#Plot the partnerships  
teamBatsmenVsBowlersAllOppnAllMatchesPlot(d)  
  
#Do not plot but get the dataframe  
e <- teamBatsmenVsBowlersAllOppnAllMatchesPlot(d, plot=FALSE)  
  
## End(Not run)
```

`teamBatsmenPartnershipMatch`*Team batting partnerships of batsmen in a match*

Description

This function plots the partnerships of batsmen in a match against an opposition or it can return the data frame

Usage

```
teamBatsmenPartnershipMatch(match, theTeam, opposition, plot=TRUE)
```

Arguments

<code>match</code>	The match between the teams
<code>theTeam</code>	The team for which the the batting partnerships are sought
<code>opposition</code>	The opposition team
<code>plot</code>	If <code>plot=TRUE</code> then a plot is created otherwise a data frame is returned

Value

`df` The data frame of the batsmen partnetships

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:  
# Get the match between England and Pakistan  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir="../temp")  
batsmenPartnershipMatch(a, "Pakistan", "England")  
batsmenPartnershipMatch(a, "England", "Pakistan", plot=TRUE)  
m <- batsmenPartnershipMatch(a, "Pakistan", "England", plot=FALSE)  
  
## End(Not run)
```

teamBatsmenPartnershipOppnAllMatchesChart

Plot of team partnership all matches against an opposition

Description

This function plots the batting partnership of a team against all oppositions in all matches. This function also returns a dataframe with the batting partnerships.

Usage

```
teamBatsmenPartnershipOppnAllMatchesChart(matches, main, opposition, plot=TRUE)
```

Arguments

matches	All the matches of the team against all oppositions
main	The main team for which the batting partnerships are sought
opposition	The opposition team for which the batting partnerships are sought
plot	Whether the partnerships have to be rendered as a plot. If plot=FALSE the dataframe is returned

Value

None or partnerships

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches for team India against all oppositions  
d <- teamBatsmenVsBowlersAllOppnAllMatchesRept(matches,"India",rank=1,dispRows=50)  
#Plot the partnerships  
teamBatsmenVsBowlersAllOppnAllMatchesPlot(d)  
  
#Do not plot but get the dataframe  
e <- teamBatsmenVsBowlersAllOppnAllMatchesPlot(d,plot=FALSE)  
  
## End(Not run)
```

teamBatsmenVsBowlersAllOppnAllMatchesPlot

Plot of Team batsmen vs bowlers against all opposition all matches

Description

This function computes the performance of batsmen against all bowlers of all oppositions in all matches. The data frame can be either plotted or returned to the user

Usage

```
teamBatsmenVsBowlersAllOppnAllMatchesPlot(df,plot=TRUE)
```

Arguments

df The dataframe of all the matches of the team against all oppositions
plot If plot=TRUE the result is plotted or else the data frame is returned

Value

None or dataframe

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:
# Get all matches for team India against all oppositions in all matches
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# Also load directly from file
#load("allMatchesAllOpposition-India.RData")

d <- teamBatsmanVsBowlersAllOppnAllMatchesRept(matches,"India",rank=1,dispRows=50)
teamBatsmenVsBowlersAllOppnAllMatchesPlot(d)
e <- teamBatsmenVsBowlersAllOppnAllMatchesPlot(d,plot=FALSE)

## End(Not run)
```

```
teamBatsmenVsBowlersAllOppnAllMatchesRept
```

Report of team batsmen vs bowlers in all matches all oppositions

Description

This function computes the performance of batsmen against all bowlers of all oppositions in all matches

Usage

```
teamBatsmenVsBowlersAllOppnAllMatchesRept(matches, theTeam, rank=0, dispRows=50)
```

Arguments

matches	All the matches of the team against all oppositions
theTeam	The team for which the the batting partnerships are sought
rank	if the rank=0 then the data frame returned gives a summary list of the batsmen with the highest runs against bowlers. If rank=N (where N=1,2,3...) then the detailed breakup of the batsman and the runs scored against each bowler is returned
dispRows	The number of rows to be returned

Value

h The data frame of the batsman and the runs against bowlers

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:
# Get all matches for team India against all oppositions
m <- teamBattingScorecardAllOppnAllMatches(matches, theTeam="India")
# Get the summary report
teamBatsmenVsBowlersAllOppnAllMatchesRept(matches, "India", rank=0)
#Get detailed report
teamBatsmenVsBowlersAllOppnAllMatchesRept(matches, "India", rank=1, dispRows=50)

teamBatsmenVsBowlersAllOppnAllMatchesRept(matches, "Pakistan", rank=0)
teamBatsmenVsBowlersAllOppnAllMatchesRept(matches, "England", rank=1)

## End(Not run)
```

`teamBatsmenVsBowlersMatch`*Team batsmen against bowlers in a match*

Description

This function plots the performance of batsmen versus bowlers in a match or it can return the data frame

Usage

```
teamBatsmenVsBowlersMatch(match, theTeam, opposition, plot=TRUE)
```

Arguments

<code>match</code>	The match between the teams
<code>theTeam</code>	The team for which the the batting partnerships are sought
<code>opposition</code>	The opposition team
<code>plot</code>	If <code>plot=TRUE</code> then a plot is created otherwise a data frame is returned

Value

b The data frame of the batsmen vs bowlers performance

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBattingScorecardMatch](#)

Examples

```
## Not run:  
# Get athe match between England and Pakistan  
a <- getMatchDetails("England","Pakistan","2006-09-05",dir=" ../temp")  
batsmenVsBowlersMatch(a, 'Pakistan', 'England', plot=TRUE)  
  
## End(Not run)
```

teamBatsmenVsBowlersOppnAllMatches

Team batsmen vs bowlers all matches of an opposition

Description

This function computes the performance of batsmen against the bowlers of an oppositions in all matches

Usage

```
teamBatsmenVsBowlersOppnAllMatches(matches,main,opposition,plot=TRUE,top=5)
```

Arguments

matches	All the matches of the team against one specific opposition
main	The team for which the the batting partnerships are sought
opposition	The opposition team
plot	If plot=TRUE then a plot will be displayed else a data frame will be returned
top	The number of players to be plotted or returned as a dataframe. The default is 5

Value

None or dataframe

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenVsBowlersOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches for team India against an opposition  
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")  
  
# Get the performance of India batsman against Australia in all matches  
teamBatsmenVsBowlersOppnAllMatches(a,"India","Australia")  
  
# Display top 3  
teamBatsmanVsBowlersOppnAllMatches(a,"Australia","India",top=3)  
  
# Get top 10 and do not plot  
n <- teamBatsmenVsBowlersOppnAllMatches(a,"Australia","India",top=10,plot=FALSE)  
  
## End(Not run)
```

teamBattingPerfDetails

Gets the team batting details.

Description

This function gets the team batting details

Usage

```
teamBattingPerfDetails(match, theTeam, includeInfo=FALSE)
```

Arguments

match	The match between the teams
theTeam	The team for which the the batting partnerships are sought
includeInfo	Whether to include venue,date, winner and result

Value

df dataframe

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBattingScorecardMatch](#)

Examples

```
## Not run:
#teamBattingPerfDetails()

## End(Not run)
```

```
teamBattingScorecardAllOppnAllMatches
```

Team batting scorecard against all oppositions in all matches

Description

This function omputes and returns the batting scorecard of a team in all matches against all oppositions. The data frame has the ball played, 4's,6's and runs scored by batsman

Usage

```
teamBattingScorecardAllOppnAllMatches(matches, theTeam)
```

Arguments

matches	All matches of the team in all matches with all oppositions
theTeam	The team for which the the batting partnerships are sought

Value

details The data frame of the scorecard of the team in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenVsBowlersAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBowlingWicketRunsAllOppnAllMatches](#)

Examples

```
## Not run:
# Get all matches between India with all oppositions
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# This can also be loaded from saved file
# load("allMatchesAllOpposition-India.RData")

# Top batsman is displayed in descending order of runs
teamBattingScorecardAllOppnAllMatches(matches,theTeam="India")

# The best England players scorecard against India is shown
teamBattingScorecardAllOppnAllMatches(matches,theTeam="England")

## End(Not run)
```

teamBattingScorecardMatch

Team batting scorecard of a team in a match

Description

This function computes returns the batting scorecard (runs, fours, sixes, balls played) for the team

Usage

```
teamBattingScorecardMatch(match, theTeam)
```

Arguments

match	The match for which the score card is required e.g.
theTeam	Team for which scorecard required

Value

scorecard A data frame with the batting scorecard

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)

Examples

```
## Not run:  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir="../temp")  
teamBowlingScorecardMatch(a, 'England')  
  
## End(Not run)
```

`teamBattingScorecardOppnAllMatches`*Team batting scorecard of a team in all matches against an opposition*

Description

This function computes returns the batting scorecard (runs, fours, sixes, balls played) for the team in all matches against an opposition

Usage

```
teamBattingScorecardOppnAllMatches(matches,main,opposition)
```

Arguments

matches	the data frame of all matches between a team and an opposition obtained with the call <code>getAllMatchesBetweenteam()</code>
main	The main team for which scorecard required
opposition	The opposition team

Value

scorecard The scorecard of all the matches

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)

Examples

```
## Not run:
# Get all matches between India and Australia
matches <- getAllMatchesBetweenTeams("India","Australia",dir="../data",save=TRUE)
# Compute the scorecard of India in matches with australia
teamBattingScorecardOppnAllMatches(matches,main="India",opposition="Australia")

#Get all matches between Australia and India
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")
#Compute the batting scorecard of Australia
teamBattingScorecardOppnAllMatches(matches,"Australia","India")

## End(Not run)
```

```
teamBowlersVsBatsmenAllOppnAllMatchesMain
      Compute team bowlers vs batsmen all opposition all matches
```

Description

This function computes performance of bowlers of a team against all opposition in all matches

Usage

```
teamBowlersVsBatsmenAllOppnAllMatchesMain(matches, theTeam, rank=0)
```

Arguments

matches	the data frame of all matches between a team and aall opposition and all obtained with the call getAllMatchesAllOpposition()
theTeam	The team against which the performance is requires
rank	When the rank is 0 then the performance of all the bowlers is displayed. If rank=n (1,2,3 ..) then the performance of that bowler is given

Value

dataframe The dataframe with all performances

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
# Get all matches between India and all oppositions
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# You could also load directly from the saved file
#load("allMatchesAllOpposition-India.RData")
# The call below gives the best bowlers of India
teamBowlersVsBatsmenAllOppnAllMatchesMain(matches,theTeam="India",rank=0)

# The call with rank=1 gives the performance of the 'India' bowler with rank=1
teamBowlersVsBatsmenAllOppnAllMatchesMain(matches,theTeam="India",rank=1)

## End(Not run)
```

```
teamBowlersVsBatsmenAllOppnAllMatchesPlot
```

Plot bowlers vs batsmen against all opposition all matches

Description

This function computes performance of bowlers of a team against all opposition in all matches

Usage

```
teamBowlersVsBatsmenAllOppnAllMatchesPlot(bowlerDF, t1, t2)
```

Arguments

bowlerDF	The data frame of the bowler whose performance is required
t1	The team against to which the player belong
t2	The opposing team

Value

none

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)

Examples

```
## Not run:  
# Get all matches between India and all oppositions  
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)  
  
#Get the details of the bowler with the specified rank as a dataframe  
df <- teamBowlersVsBatsmenAllOppnAllMatchesRept(matches,theTeam="India",rank=1)  
#Plot this  
teamBowlersVsBatsmenAllOppnAllMatchesPlot(df,"India","India")  
  
df <- teamBowlersVsBatsmenAllOppnAllMatchesRept(matches,theTeam="England",rank=1)  
teamBowlersVsBatsmenAllOppnAllMatchesPlot(df,"India","England")  
  
## End(Not run)
```

teamBowlersVsBatsmenAllOppnAllMatchesRept
report of Team bowlers vs batsmen against all opposition all matches

Description

This function computes performance of bowlers of a team against all opposition in all matches

Usage

```
teamBowlersVsBatsmenAllOppnAllMatchesRept(matches, theTeam, rank=0)
```

Arguments

matches	the data frame of all matches between a team and aall opposition and all obtained with the call getAllMatchesAllOpposition()
theTeam	The team against which the performance is requires
rank	When the rank is 0 then the performance of all the bowlers is displayed. If rank=n (1,2,3 ..) then the performance of that bowler is given

Value

dataframe The dataframe with all performances

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
# Get all matches between India and all oppositions
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# You could also load directly from the saved file
#load("allMatchesAllOpposition-India.RData")
# The call below gives the best bowlers against India
teamBowlersVsBatsmenAllOppnAllMatchesRept(matches,theTeam="India",rank=0)

# The call with rank=1 gives the performance of the bowler with rank
teamBowlersVsBatsmenAllOppnAllMatchesRept(matches,theTeam="India",rank=1)

# The call below gives the overall performance of India bowlers against South Africa
teamBatsmenVsBowlersAllOppnAllMatchesRept(matches,"South Africa",rank=0)

# The call below gives the performance of best Indias bowlers against Australia
teamBowlersVsBatsmenAllOppnAllMatchesRept(matches,"Australia",rank=1)

## End(Not run)
```

teamBowlersVsBatsmenMatch

Team bowlers vs batsmen in a match

Description

This function computes performance of bowlers of a team against an opposition in a match

Usage

```
teamBowlersVsBatsmenMatch(match,theTeam,opposition, plot=TRUE)
```

Arguments

match	The data frame of the match. This can be obtained with the call for e.g a <-getMatchDetails("England","Pakistan","2006-09-05",dir="../temp")
theTeam	The team against which the performance is required
opposition	The opposition team
plot	This parameter specifies if a plot is required, If plot=FALSE then a data frame is returned

Value

None or dataframe If plot=TRUE there is no return. If plot=TRUE then the dataframe is returned

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:  
# Get the match between England and Pakistan  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir="../temp")  
teamBowlersVsBatsmenMatch(a, "Pakistan", "England")  
teamBowlersVsBatsmenMatch(a, "England", "Pakistan")  
m <- teamBowlersVsBatsmenMatch(a, "Pakistan", "England")  
  
## End(Not run)
```

teamBowlersVsBatsmenOppnAllMatches

Team bowlers vs batsmen against an opposition in all matches

Description

This function computes performance of bowlers of a team against an opposition in all matches against the opposition

Usage

```
teamBowlersVsBatsmenOppnAllMatches(matches, main, opposition, plot=TRUE, top=5)
```

Arguments

matches	The data frame of all matches between a team the opposition. This dataframe can be obtained with <code>matches <- getAllMatchesBetweenTeams("Australia","India",dir=" ../data")</code>
main	The main team against which the performance is requires
opposition	The opposition team against which the performance is require
plot	If true plot else return dataframe
top	The number of rows to be returned. 5 by default

Value

dataframe The dataframe with all performances

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
# Get all matches between India and Australia
matches <- getAllMatchesBetweenTeams("Australia", "India", dir=" ../data")

# Plot the performance of top 5 Indian bowlers against Australia
teamBowlersVsBatsmanOppnAllMatches(matches, 'India', "Australia", top=5)

# Plot the performance of top 3 Australian bowlers against India
teamBowlersVsBatsmenOppnAllMatches(matches, "Australia", "India", top=3)

# Get the top 5 bowlers of Australia. Do not plot but get as a dataframe
teamBowlersVsBatsmenOppnAllMatches(matches, "Australia", "India", plot=FALSE)
```

```
## End(Not run)
```

```
teamBowlersWicketKindOppnAllMatches
```

Team bowlers wicket kind against an opposition in all matches

Description

This function computes performance of bowlers of a team and the wicket kind against an opposition in all matches against the opposition

Usage

```
teamBowlersWicketKindOppnAllMatches(matches,main,opposition,plot=TRUE)
```

Arguments

matches	The data frame of all matches between a team the opposition. This dataframe can be obtained with <code>matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")</code>
main	The team for which the performance is required
opposition	The opposing team
plot	If <code>plot=TRUE</code> then a plot is displayed else a dataframe is returned

Value

None or dataframe The return depends on the value of the plot

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#) [teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#) [teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
# Get all matches between India and Australia
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")

teamBowlersWicketKindOppnAllMatches(matches,"India","Australia",plot=TRUE)
m <- teamBowlersWicketKindOppnAllMatches(matches,"Australia","India",plot=FALSE)

teamBowlersWicketKindOppnAllMatches(matches,"Australia","India",plot=TRUE)

## End(Not run)
```

```
teamBowlersWicketRunsOppnAllMatches
```

Team bowlers wicket runs against an opposition in all matches

Description

This function computes performance of bowlers of a team and the runs conceded against an opposition in all matches against the opposition

Usage

```
teamBowlersWicketRunsOppnAllMatches(matches,main,opposition,plot=TRUE)
```

Arguments

matches	The data frame of all matches between a team the opposition. This dataframe can be obtained with <code>matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")</code>
main	The team for which the performance is required
opposition	The opposing team
plot	If <code>plot=TRUE</code> then a plot is displayed else a dataframe is returned

Value

None or dataframe The return depends on the value of the plot

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBowlersWicketsOppnAllMatches](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
# Get all matches between India and Australia
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")

teamBowlersWicketRunsOppnAllMatches(matches,"India","Australia")
m <- teamBowlerWicketsRunsOppnAllMatches(matches,"Australia","India",plot=FALSE)

## End(Not run)
```

```
teamBowlersWicketsOppnAllMatches
```

Team bowlers wickets against an opposition in all matches

Description

This function computes performance of bowlers of a team and the wickets taken against an opposition in all matches against the opposition

Usage

```
teamBowlersWicketsOppnAllMatches(matches,main,opposition,plot=TRUE,top=20)
```

Arguments

matches	The data frame of all matches between a team the opposition. This dataframe can be obtained with <code>matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")</code>
main	The team for which the performance is required
opposition	The opposing team
plot	If <code>plot=TRUE</code> then a plot is displayed else a dataframe is returned
top	The number of top bowlers to be included in the result

Value

None or dataframe The return depends on the value of the plot

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersWicketRunsOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches between India and Australia  
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")  
  
#Display top 20  
teamBowlersWicketsOppnAllMatches(matches,"India","Australia")  
#Display and plot top 10  
teamBowlersWicketsOppnAllMatches(matches,"Australia","India",top=10)  
  
#Do not plot but return as dataframe  
teamBowlersWicketsOppnAllMatches(matches,"India","Australia",plot=FALSE)  
  
## End(Not run)
```

`teamBowlingPerfDetails`*get team bowling performance details*

Description

This function computes performance of bowlers of a team a

Usage

```
teamBowlingPerfDetails(match, theTeam, includeInfo=FALSE)
```

Arguments

<code>match</code>	The data frame of all match
<code>theTeam</code>	The team for which the performance is required
<code>includeInfo</code>	If true details like venie, winner, result etc are included

Value

dataframe The dataframe of bowling performance

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBatsmenPartnershipAllOppnAllMatches](#)
[teamBatsmenPartnershipAllOppnAllMatchesPlot](#)
[teamBatsmenPartnershipOppnAllMatchesChart](#)
[teamBowlersVsBatsmenAllOppnAllMatchesRept](#)
[teamBowlersWicketRunsOppnAllMatches](#)

Examples

```
## Not run:  
# Get all matches between India and Australia  
match <- getMatchDetails("England", "Pakistan", "2006-09-05", dir="../temp")  
teamBowlingPerf(match, "India", includeInfo=TRUE)  
  
## End(Not run)
```

teamBowlingPerfOppnAllMatches

team bowling performance all matches against an opposition

Description

This function computes returns the bowling dataframe of bowlers deliveries, maidens, overs, wickets against an opposition in all matches

Usage

```
teamBowlingPerfOppnAllMatches(matches, main, opposition)
```

Arguments

matches	The matches of the team against an opposition.
main	Team for which bowling performance is required
opposition	The opposition Team

Value

1 A data frame with the bowling performance

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlersWicketsOppnAllMatches](#)
[teamBowlersWicketRunsOppnAllMatches](#)
[teamBowlersWicketKindOppnAllMatches](#)

Examples

```
## Not run:  
#Get all matches between India and Australia  
matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")  
  
# Or load directly from saved file  
# load("India-Australia-allMatches.RData")  
  
teamBowlingPerfOppnAllMatches(matches,"India","Australia")  
teamBowlingPerfOppnAllMatches(matches,main="Australia",opposition="India")  
  
## End(Not run)
```

```
teamBowlingScorecardAllOppnAllMatches  
      Team bowling scorecard all opposition all matches
```

Description

This function computes returns the bowling dataframe of bowlers deliveries, maidens, overs, wickets against all oppositions in all matches

Usage

```
teamBowlingScorecardAllOppnAllMatches(matches, theTeam)
```

Arguments

matches	The matches of the team against all oppositions and all matches
theTeam	Team for which bowling performance is required

Value

1 A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlingScorecardAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:
#Get all matches between India and other opposition
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# Or load directly from saved file
# load("allMatchesAllOpposition-India.RData")

# Top opposition bowlers performances against India
teamBowlingScorecardAllOppnAllMatches(matches,"India")

#Top Indian bowlers against respective opposition
teamBowlingScorecardAllOppnAllMatches(matches,'Australia')
teamBowlingScorecardAllOppnAllMatches(matches,'South Africa')
teamBowlingScorecardAllOppnAllMatches(matches,'England')

## End(Not run)
```

```
teamBowlingScorecardAllOppnAllMatchesMain
```

Team bowling scorecard all opposition all matches

Description

This function computes returns the bowling dataframe of best bowlers deliveries, maidens, overs, wickets against all oppositions in all matches

Usage

```
teamBowlingScorecardAllOppnAllMatchesMain(matches,theTeam)
```

Arguments

matches	The matches of the team against all oppositions and all matches
theTeam	Team for which bowling performance is required

Value

1 A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlingScorecardAllOppnAllMatches](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:  
#Get all matches between India and other opposition  
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)  
  
# Or load directly from saved file  
# load("allMatchesAllOpposition-India.RData")  
  
# Top opposition bowlers of India  
teamBowlingScorecardAllOppnAllMatchesMain(matches,"India")  
  
## End(Not run)
```

teamBowlingScorecardMatch

Compute and return the bowling scorecard of a team in a match

Description

This function computes and returns the bowling scorecard of a team in a match

Usage

```
teamBowlingScorecardMatch(match, theTeam)
```

Arguments

match	The match between the teams
theTeam	Team for which bowling performance is required

Value

1 A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlingWicketMatch](#)
[teamBowlersVsBatsmenMatch](#)
[teamBattingScorecardMatch](#)

Examples

```
## Not run:
#Get all matches between India and other opposition
a <- getMatchDetails("England","Pakistan","2006-09-05",dir="../temp")

teamBowlingScorecardMatch(a,'England')

## End(Not run)
```

```
teamBowlingWicketKindAllOppnAllMatches
```

```
team bowling wicket kind against all opposition all matches
```

Description

This function computes returns kind of wickets (caught, bowled etc) of bowlers in all matches against all oppositions. The user can chose to plot or return a data frame

Usage

```
teamBowlingWicketKindAllOppnAllMatches(matches, t1, t2="All", plot=TRUE)
```

Arguments

matches	The matches of the team against all oppositions and all matches
t1	Team for which bowling performance is required
t2	t2=All gives the performance of the team against all opponents. Giving a opposing team (Australia, India) will give the performance against this team
plot	If plot= TRUE the dataframe will be plotted else a data frame will be returned

Value

None or data fame A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlingScorecardAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```

## Not run:
#Get all matches between India and other opposition
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)

# Or load directly from saved file
# load("allMatchesAllOpposition-India.RData")

teamBowlingWicketKindAllOppnAllMatches(matches,t1="India",t2="All")
m <-teamBowlingWicketKindAllOppnAllMatches(matches,t1="India",t2="All",plot=FALSE)

teamBowlingWicketKindAllOppnAllMatches(matches,t1="India",t2="Bangladesh")
teamBowlingWicketKindAllOppnAllMatches(matches,t1="India",t2="South Africa")

## End(Not run)

```

```
teamBowlingWicketKindMatch
```

Compute and plot the wicket kinds by bowlers in match

Description

This function computes returns kind of wickets (caught, bowled etc) of bowlers in a match between 2 teams

Usage

```
teamBowlingWicketKindMatch(match, theTeam, opposition, plot=TRUE)
```

Arguments

match	The match between the teams
theTeam	Team for which bowling performance is required
opposition	The opposition team
plot	If plot= TRUE the dataframe will be plotted else a data frame will be returned

Value

None or data fame A data frame with the bowling performance in all matches against all positions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>

See Also

[teamBowlingWicketMatch](#)
[teamBowlingWicketRunsMatch](#)
[teamBowlersVsBatsmenMatch](#)

Examples

```
## Not run:  
#Get the match details  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir=" ../temp")  
  
teamBowlingWicketKindMatch(a, "England", "Pakistan", plot=FALSE)  
teamBowlingWicketKindMatch(a, "Pakistan", "England")  
  
## End(Not run)
```

teamBowlingWicketMatch

Compute and plot wickets by bowlers in match

Description

This function computes returns the wickets taken bowlers in a match between 2 teams

Usage

```
teamBowlingWicketMatch(match, theTeam, opposition, plot=TRUE)
```

Arguments

match	The match between the teams
theTeam	Team for which bowling performance is required
opposition	The opposition team
plot	If plot= TRUE the dataframe will be plotted else a data frame will be returned

Value

None or data frame A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBowlingWicketMatch](#)
[teamBowlingWicketRunsMatch](#)
[teamBowlersVsBatsmenMatch](#)

Examples

```
## Not run:  
#Get the match details  
a <- getMatchDetails("England", "Pakistan", "2006-09-05", dir=" ../temp")  
  
teamBowlingWicketMatch(a, "England", "Pakistan", plot=FALSE)  
teamBowlingWicketMatch(a, "Pakistan", "England")  
  
## End(Not run)
```

`teamBowlingWicketRunsAllOppnAllMatches`

Team bowling wicket runs all matches against all oppositions

Description

This function computes the number of wickets and runs conceded by bowlers in all matches against all oppositions. The user can chose to plot or return a data frame

Usage

```
teamBowlingWicketRunsAllOppnAllMatches(matches, t1, t2="All", plot=TRUE)
```

Arguments

matches	The matches of the team against all oppositions and all matches
t1	Team for which bowling performance is required
t2	t2=All gives the performance of the team against all opponents. Giving a opposing team (Australia, India) will give the performance against this team
plot	If plot= TRUE the dataframe will be plotted else a data frame will be returned

Value

None or data fame A data frame with the bowling performance in alll matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBowlingScorecardAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesMain](#)
[teamBowlersVsBatsmenAllOppnAllMatchesPlot](#)

Examples

```
## Not run:  
#Get all matches between India and other opposition  
matches <-getAllMatchesAllOpposition("India",dir="../data/",save=TRUE)  
  
# Or load directly from saved file  
# load("allMatchesAllOpposition-India.RData")  
  
teamBowlingWicketRunsAllOppnAllMatches(matches,t1="India",t2="All",plot=TRUE)  
m <-teamBowlingWicketRunsAllOppnAllMatches(matches,t1="India",t2="All",plot=FALSE)  
  
## End(Not run)
```

`teamBowlingWicketRunsMatch`*Team bowling wickets runs conceded in match*

Description

This function computes returns the wickets taken and runs conceded bowlers in a match between 2 teams. The user can choose to plot or return a dataframe

Usage

```
teamBowlingWicketRunsMatch(match, theTeam, opposition, plot=TRUE)
```

Arguments

<code>match</code>	The match between the teams
<code>theTeam</code>	Team for which bowling performance is required
<code>opposition</code>	The opposition team
<code>plot</code>	If <code>plot= TRUE</code> the dataframe will be plotted else a data frame will be returned

Value

None or data fame A data frame with the bowling performance in all matches against all oppositions

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>

Author(s)

Tinniam V Ganesh

References

<http://cricsheet.org/>
<https://gigadom.wordpress.com/>
<https://github.com/tvganesh/yorkrData>

See Also

[teamBowlingWicketMatch](#)
[teamBowlingWicketRunsMatch](#)
[teamBowlersVsBatsmenMatch](#)

Examples

```
## Not run:  
#Get the match details  
a <- getMatchDetails("England","Pakistan","2006-09-05",dir=" ../temp")  
  
teamBowlingWicketRunsMatch(a,"England","Pakistan",plot=FALSE)  
teamBowlingWicketRunsMatch(a,"Pakistan","England")  
  
## End(Not run)
```

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