Package ‘yorkr’

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**batsmanCumulativeAverageRuns**

_Batsman’s cumulative average runs_

**Description**

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

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**

```r
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**

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

**See Also**

- `batsmanCumulativeAverageRuns`
- `bowlerCumulativeAvgEconRate`
- `bowlerCumulativeAvgWickets`
- `batsmanRunsVsStrikeRate`
- `batsmanRunsPredict`

**Examples**

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

## End(Not run)
```
Description
This function computes and plots the type of dismissals of 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)
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's runs.

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
batsmanRunsAgainstOpposition

Examples

```r
## 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

```r
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

```r
## 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**

```r
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
batsmanRunsVenue

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>
batsmanRunsVsDeliveries

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
```r
## 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

```r
## 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**

```r
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**
- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

**See Also**
- batsmanFoursSixes
- batsmanRunsVsDeliveries
- batsmanRunsVsStrikeRate
- bowlerDeliveryWickets
- bowlerMeanEconomyRate
- bowlerMeanRunsConceded
bowlerMeanEconomyRate

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
bowlerMeanRunsConceded

Examples

```r
## 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

```r
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

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](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>
bowlerWicketsAgainstOpposition

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
**bowlerWicketsVenue**

**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**

```r
## 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**  
*Predict the deliveries required to wickets*

**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 converts 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=".", targetDirMen=".", targetDirWomen=".")

Arguments

- **sourceDir**: The source directory of the yaml files
- **targetDirMen**: The target directory in which the data frames for men are stored as RData files
- **targetDirWomen**: The target directory in which the data frames for women 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

```r
## 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 converts 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

```r
convertAllYaml2RDataframesT20(sourceDir=".",targetDirMen=".",targetDirWomen=".")
```

Arguments

- `sourceDir` The source directory of the yaml files
- `targetDirMen` The target directory in which the data frames of men are stored as RData files
- `targetDirWomen` The target directory in which the data frames of women are stored as RData files

Value

None

Note

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

Author(s)

Tinniam V Ganesh

References

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)
convertYaml2RDataframe

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 converts 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
**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

---

**References**

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

**See Also**

bowlerMovingAverage
bowlerWicketPlot
bowlerWicketsVenue
convertAllYaml2RDataframes

---

**Examples**

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

## End(Not run)
```
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

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

## End(Not run)
```

ggetAllMatchesAllOpposition

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

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

Arguments

team  The team for which all matches and all opposition has to be obtained e.g. India, Pakistan

dir   The input directory

save Default=FALSE. This parameter indicates whether the combined data frame needs to be saved or not. It is recommended to save this large data frame as the creation of this data frame takes a several seconds depending on the number of matches

odir  The output directory

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**

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

**Arguments**

- `team1`: One of the team in consideration e.g (India, Australia, England)
- `team2`: The other team for which matches are needed e.g (India, Sri Lanka, Pakistan)
- `dir`: The input directory which has the RData files of matches between teams
- `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
- `odir`: The output directory

**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/
getBatsmanDetails

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 Get batting details of batsman from match

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
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>
getDeliveryWickets

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)
getDeliveryWickets

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

```r
## 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`
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, odir=".")

Arguments

- `team`: The team for which batting details is required
- `dir`: The source directory
- `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
- `odir`: The output directory to store saved files

Value

- `battingDetails`: The dataframe with the batting details

Note

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

Author(s)

Tinniam V Ganesh
getTeamBowlingDetails

References

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

See Also

getBatsmanDetails
getBowlerWicketDetails
batsmanDismissals
getTeamBattingDetails

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 etc

Usage

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

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
odir  The output directory

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,odir=".")

## End(Not run)

---

matchWormGraph  
*Plot the match worm graph*

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

1  
The 1st team of the match

t2  
the 2nd team in the match

Value

none
**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**

```r
parseYamlOver(match,s,team,delivery,meta)
```
Arguments

- match: The dataframe of the match
- s: The string with the delivery
- team: The team
- 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

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

See Also

- `getBatsmanDetails`
- `getBowlerWicketDetails`
- `batsmanDismissals`
- `getTeamBattingDetails`

Examples

```r
## Not run:
# Parse the yaml over

## End(Not run)```
Description

This function computes and plots number of wins for each team in all their encounters. The plot includes the number of wins by team of 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 the 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

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

## End(Not run)
```

---

**rankBBLBatsmen**  
*Ranks the BBL batsmen*

Description

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

Usage

```r
rankBBLBatsmen(dir=
```

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>dir</code></td>
<td>The input directory</td>
</tr>
<tr>
<td><code>odir</code></td>
<td>The output directory</td>
</tr>
<tr>
<td><code>minMatches</code></td>
<td>Minimum matches</td>
</tr>
</tbody>
</table>

Value

The ranked BBL 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
**rankBBLBowlers**

See Also

- rankIPLBowlers
- rankODIBowlers
- rankODIBatsmen
- rankT20Batsmen
- rankT20Bowlers

Examples

```r
## Not run:
#
bbLBatsmanRank <- rankBBLBatsmen()

## End(Not run)
```

---

**rankBBLBowlers**

*Ranks the BBL bowlers*

Description

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

Usage

```r
rankBBLBowlers(dir=".", odir=".", minMatches=20)
```

Arguments

- `dir`: The input directory
- `odir`: The output directory
- `minMatches`: Minimum matches

Value

The ranked BBL 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

rankIPLBatsmen
rankODIBowlers
rankODIBatsmen
rankT20Batsmen
rankT20Bowlers

Examples

## Not run:
#
# bblBowlersRank <- rankBBLBowlers()
#
## End(Not run)

rankIPLBatsmen  Ranks the IPL batsmen

Description

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

Usage

rankIPLBatsmen(dir='.',odir='.',minMatches=50)

Arguments

dir    The input directory
odir   The output directory
minMatches Minimum matches

Value

The ranked IPL batsmen

Note

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

**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**

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

## End(Not run)
```

---

**rankIPLBowlers**

Ranks the IPL bowlers

**Description**

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

**Usage**

```r
rankIPLBowlers(dir='.', odir='.', minMatches=20)
```

**Arguments**

- `dir` The input directory
- `odir` The output directory
- `minMatches` Minimum matches

**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)

---

`rankNTBBatsmen`  
**Ranks the NTB batsmen**

Description

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

Usage

`rankNTBBatsmen(dir='.', odir='.', minMatches=50)`

Arguments

- `dir`  
The input directory
- `odir`  
The output directory
- `minMatches`  
Minimum matches
rankNTBBowlers

Value

The ranked NTB 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:
#
# ntbBatsmanRank <- rankNTBBatsmen()
#
## End(Not run)

---

<table>
<thead>
<tr>
<th>rankNTBBowlers</th>
<th>Ranks the NTB bowlers</th>
</tr>
</thead>
</table>

Description

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

Usage

rankNTBBowlers(dir='.', odir='.', minMatches=20)
Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dir</td>
<td>The input directory</td>
</tr>
<tr>
<td>odir</td>
<td>The output directory</td>
</tr>
<tr>
<td>minMatches</td>
<td>Minimum matches</td>
</tr>
</tbody>
</table>

Value

The ranked NTB 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

```r
## Not run:
#
# ntbBowlersRank <- rankNTBBowlers()

## End(Not run)
```
rankODIBatsmen

Ranks the ODI batsmen

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

Usage
rankODIBatsmen(dir='.', odir='.', minMatches=50)

Arguments
- **dir**: The input directory
- **odir**: The output directory
- **minMatches**: Minimum matches

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
rankT20Batters
## rankODIBowlers

**Ranks the ODI bowlers**

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

### Usage
```r
rankODIBowlers(dir=".", odir=".", minMatches=20)
```

### Arguments
- `dir` The input directory
- `odir` The output directory
- `minMatches` Minimum matches

### 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`
rankPSLBatsmen

Examples

```r
## Not run:
#
odiBowlersRank <- rankODIBowlers()

## End(Not run)
```

---

**rankPSLBatsmen**  
*Ranks the PSL batsmen*

Description

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

Usage

```r
rankPSLBatsmen(dir='
', odir='.
', minMatches=50)
```

Arguments

- `dir`  
The input directory
- `odir`  
The output directory
- `minMatches`  
Minimum matches

Value

The ranked PSL 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

```r
## Not run:
#
psLBatsmanRank <- rankPSLBatsmen()

## End(Not run)
```

---

**rankPSLBowlers**  
*Ranks the PSL bowlers*

Description

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

Usage

```r
rankPSLBowlers(dir=".", odir=".", minMatches=20)
```

Arguments

- `dir` The input directory
- `odir` The output directory
- `minMatches` Minimum matches

Value

The ranked PSL batsmen

Note

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

Author(s)

Tinniam V Ganesh
**rankT20Batsmen**

Ranks the T20 batsmen

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

### Usage
```
rankT20Batsmen(dir=".", odir=".", minMatches=50)
```

### Arguments
- **dir** The input directory
- **odir** The output directory
- **minMatches** Minimum matches

### Value
The ranked T20 batsmen

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


**rankT20Bowlers**

**Author(s)**
Tinniam V Ganesh

**References**

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

**See Also**

rankIPLBowlers
rankO DI Bowlers
rankODIBatsmen
rankT20Bowlers

**Examples**

```r
## Not run:
#
# t20BowmanRank <- rankT20Bowlers()

## End(Not run)
```

---

**rankT20Bowlers**

*Ranks the T20 bowlers*

**Description**

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

**Usage**

`rankT20Bowlers(dir='.', odir='.', minMatches=20)`

**Arguments**

- `dir` The input directory
- `odir` The output directory
- `minMatches` Minimum matches

**Value**

The ranked T20 bowlers
rankWBBBatsmen

Ranks the WBB batsmen

Description
This function creates a single dataframe of all WBB batsmen and then ranks them.

Usage
rankWBBBatsmen(dir='.', odir='.', minMatches=50)

Arguments
- dir: The input directory
- odir: The output directory
- minMatches: Minimum 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
rankIPLBatters
rankODIBatters
rankODIBatsmen
rankT20Batsmen

Examples
## Not run:
#
## End(Not run)
Value

The ranked WBB 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

```r
## Not run:
#
# WBBBatsmanRank <- rankWBBBatsmen()

## End(Not run)
```

```

---

rankWBBBowlers  Ranks the WBB bowlers

Description

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

Usage

rankWBBBowlers(dir='.', odir='.' , minMatches=20)
```
Arguments

- **dir**: The input directory
- **odir**: The output directory
- **minMatches**: Minimum matches

Value

The ranked WBB batsmen

Note

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

Author(s)

Tinniam V Ganesh

References

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

See Also

- `rankIPLBatsmen`
- `rankODIBowlers`
- `rankODIBatsmen`
- `rankT20Batsmen`
- `rankT20Bowlers`

Examples

```r
## Not run:
#
# WBBBowlersRank <- rankWBBBowlers()
#
## 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=".",odir=".")

Arguments

dirInput Directory
odirOutput 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

```r
## Not run:
saveAllMatchesBetweenTeams(dir=".", odir=".")

## End(Not run)
```
See Also

- batsmanDismissals
- batsmanRunsVsDeliveries
- batsmanRunsVsStrikeRate
- getAllMatchesAllOpposition
- getAllMatchesBetweenTeams

Examples

```r
## Not run:
saveAllMatchesAllOppositionIPLT20

## End(Not run)
```

**Description**

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

**Usage**

```r
saveAllMatchesAllOppositionIPLT20(dir=".", odir=".")
```

**Arguments**

- `dir` 
  Input Directory
- `odir` 
  Output Directory

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)
saveAllMatchesAllOppositionNTBT20

See Also

batsmanDismissals
batsmanRunsVsDeliveries
batsmanRunsVsStrikeRate
getAllMatchesAllOpposition
getAllMatchesBetweenTeams

Examples

## Not run:
saveAllMatchesAllOppositionT20

## End(Not run)

saveAllMatchesAllOppositionNTBT20

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

Description

This function saves all NTB matches against all opposition as a single dataframe in the output directory.

Usage

saveAllMatchesAllOppositionNTBT20(dir=".", odir=".")

Arguments

dir Input Directory
odir Output Directory

Value

None

Note

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

Author(s)

Tinniam V Ganesh
saveAllMatchesAllOppositionPSLT20

References

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

See Also

batsmanDismissals
batsmanRunsVsDeliveries
batsmanRunsVsStrikeRate
getAllMatchesAllOpposition
getAllMatchesBetweenTeams

Examples

```r
## Not run:
saveAllMatchesAllOppositionT20

## End(Not run)
```

---

saveAllMatchesAllOppositionPSLT20

_Saves matches against all PSL teams as dataframe for an PSL team_

Description

This function saves all PSL matches against all opposition as a single dataframe in the output directory.

Usage

```r
saveAllMatchesAllOppositionPSLT20(dir=".", odir=".")
```

Arguments

- `dir` Input Directory
- `odir` Output Directory

Value

None

Note

Maintainer: Tinniam V Ganesh <tvganesh.85@gmail.com>
saveAllMatchesAllOppositionWBBT20

**Author(s)**
Tinniam V Ganesh

**References**

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

**See Also**

- `batsmanDismissals`
- `batsmanRunsVsDeliveries`
- `batsmanRunsVsStrikeRate`
- `getAllMatchesAllOpposition`
- `getAllMatchesBetweenTeams`

**Examples**

```r
## Not run:
saveAllMatchesAllOppositionWBBT20

## End(Not run)
```

---

**saveAllMatchesAllOppositionWBBT20**

*Saves matches against all WBB teams as dataframe for an WBB team*

**Description**

This function saves all WBB matches against all opposition as a single dataframe in the output directory.

**Usage**

```r
saveAllMatchesAllOppositionWBBT20(dir=".", odir=".")
```

**Arguments**

- `dir` Input Directory
- `odir` Output Directory

**Value**

None
saveAllMatchesBetween2BBLTeams

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

Usage
saveAllMatchesBetween2BBLTeams(dir=".", odir=".")

Arguments
<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dir</td>
<td>Input Directory</td>
</tr>
<tr>
<td>odir</td>
<td>Output Directory to store saved matches</td>
</tr>
</tbody>
</table>
saveAllMatchesBetween2IPLTeams

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
gGetAllMatchesAllOpposition
gGetAllMatchesBetweenTeams

Examples
### Not run:
saveAllMatchesBetween2BBLTeams(dir=".",odir=".")

### 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=".",odir=".")
```

Arguments
- **dir** Input Directory
- **odir** Output Directory to store saved matches
saveAllMatchesBetween2NTBTeams

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(dir=".",odir=".")
## End(Not run)

saveAllMatchesBetween2NTBTeams

Saves all matches between 2 NTB teams as dataframe

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

Usage
saveAllMatchesBetween2NTBTeams(dir=".",odir=".")

Arguments
<table>
<thead>
<tr>
<th>dir</th>
<th>Input Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>odir</td>
<td>Output Directory to store saved matches</td>
</tr>
</tbody>
</table>
saveAllMatchesBetween2PSLTeams

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
gGetAllMatchesAllOpposition
gGetAllMatchesBetweenTeams

Examples
```r
## Not run:
saveAllMatchesBetween2BBLTeams(dir=".",odir=".")

## End(Not run)
```

saveAllMatchesBetween2PSLTeams

_Saves all matches between 2 PSL teams as dataframe_

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

Usage
```r
saveAllMatchesBetween2PSLTeams(dir=".",odir=".")
```

Arguments
<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dir</td>
<td>Input Directory</td>
</tr>
<tr>
<td>odir</td>
<td>Output Directory to store saved matches</td>
</tr>
</tbody>
</table>
saveAllMatchesBetween2WBBTeams

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
g GetAllMatchesBetweenTeams

Examples
## Not run:
saveAllMatchesBetween2BBLTeams(dir=".", odir=".")

## End(Not run)

---

### saveAllMatchesBetween2WBBTeams

*Save all matches between 2 WBB teams as dataframe*

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

Usage
```
saveAllMatchesBetween2WBBTeams(dir=".", odir=".")
```

Arguments
dir Input Directory
odir Output Directory to store saved matches
saveAllMatchesBetweenTeams

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:
saveAllMatchesBetween2BBLTeams(dir=".",odir=".")
## 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=".",odir=".")

Arguments
dir Input Directory to store saved matches
odir Output Directory to store matches between teams
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(dir=".",odir=".")

## End(Not run)

---
specialProc | Used to parse yaml file

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
- overset
- ateam
- over
- str1
- meta

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

```r
## Not run:
# Parse the yaml over

## End(Not run)
```
teamBatsmenPartnershipOppnAllMatches

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

teamBatsmenPartnershipOppnAllMatches(matches,theTeam,report="summary")

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>matches</td>
<td>All the matches of the team against the oppositions</td>
</tr>
<tr>
<td>theTeam</td>
<td>The team for which the the batting partnerships are sought</td>
</tr>
<tr>
<td>report</td>
<td>If the report=&quot;summary&quot; then the list of top batsmen with the highest partnerships is displayed. If report=&quot;detailed&quot; then the detailed break up of partnership is returned as a dataframe</td>
</tr>
</tbody>
</table>

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
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 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
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

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

### Arguments

- **matches**: All the matches of the team against all oppositions
- **theTeam**: The team for which the batting partnerships are sought
- **main**: The main 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
teamBatsmenPartnershipMatch

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
teamBatsmenPartnershipMatch

Usage

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

Arguments

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

Value

df The data frame of the batsmen 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 athe 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

```r
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

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

See Also

- `teamBatsmenPartnershipAllOppnAllMatches`
- `teamBatsmenPartnershipOppnAllMatchesChart`
- `teamBatsmenVsBowlersAllOppnAllMatchesPlot`
- `teamBatsmenVsBowlersOppnAllMatches`
Examples

```r
## 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)
```

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

```r
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

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)
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 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
teamBatsmenVsBowlersMatch

Value

- 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

```r
## 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.
teamBatsmenVsBowlersMatch

Usage

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

Arguments

match  The match between the teams
theTeam The team for which the batting partnerships are sought
opposition The opposition team
plot    If plot=TRUE 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 the 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 opposition 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 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
## teamBattingPerfDetails

*Get the team batting details.*

### Description

This function gets the team batting details.

### Usage

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

### Arguments

- `match`: The match between the teams
- `theTeam`: The team for which 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
teamBattingScorecardAllOppnAllMatches

Team batting scorecard against all oppositions in all matches

Description
This function computes 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 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>
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)
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.

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

Usage

teamBattingScorecardOppnAllMatches(matches, main, opposition)

Arguments

matches the data frame of all matches between a team and an opposition obtained with
the call getAllMatchesBetweenTeam()
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**

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

**Arguments**

- `matches`: the data frame of all matches between a team and all opposition and all obtained with the call `getAllMatchesAllOpposition()`.
- `theTeam`: The team against which the performance is required.
- `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**

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](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)
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**

```r
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**

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)
- [https://github.com/tvganesh/yorkrData](https://github.com/tvganesh/yorkrData)

**See Also**

- `teamBatsmenPartnershipAllOppnAllMatches`
- `teamBatsmenPartnershipAllOppnAllMatchesPlot`
- `teamBatsmenPartnershipOppnAllMatchesChart`
- `teamBowlersVsBatsmenAllOppnAllMatchesRept`
- `teamBowlersVsBatsmenAllOppnAllMatchesPlot`
teamBowlersVsBatsmenOppnAllMatches

Examples

```r
## 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 `matches <- getAllMatchesBetweenTeams("Australia","India",dir="../data")`
- `main`: The main team against which the performance is required.
- `opposition`: The opposition team against which the performance is required.
- `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
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)

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)
Arguments

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

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

---

teamBowlersWicketRunsOppnAllMatches

*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

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

Arguments

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

get team bowling performance details

Description

This function computes performance of bowlers of a team a

Usage

teamBowlingPerfDetails(match, theTeam, includeInfo=FALSE)

Arguments

match The data frame of all match
theTeam The team for which the performance is required
includeInfo If true details like venue, winner, result etc are included
teamBowlingPerfOppnAllMatches

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)
teamBowlingPerfOppnAllMatches

Arguments

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

Value

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)
**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**

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**

- `teamBowlersVsBatsmenAllOppnAllMatchesMain`
- `teamBowlersVsBatsmenAllOppnAllMatchesPlot`
Examples

```r
## 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)
```

Description

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

Usage

```r
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

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
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

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

Note

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

References

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

See Also

teamBowlingScorecardAllOppnAllMatches
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)
teamBowlingWicketKindAllOppnAllMatches

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
teamBowlingWicketKindMatch

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/

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")

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

# See Also

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

## End(Not run)

---

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
teamBowlingWicketKindMatch

Usage

```r
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 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

- [https://gigadom.wordpress.com/](https://gigadom.wordpress.com/)

See Also

- `teamBowlingWicketMatch`
- `teamBowlingWicketRunsMatch`
- `teamBowlersVsBatsmenMatch`

Examples

```r
## 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 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
teamBowlingWicket RunsMatch
teamBowlersVsBatsmenMatch
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 an 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 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
teamBowlingWicketRunsMatch

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

  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

```r
## 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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