

# Package ‘yorkr’

May 6, 2021

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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 <<https://cricsheet.org/>>.

**Date** 2021-05-06

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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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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	<i>Batsman runs at different venues</i>
------------------	---

---

**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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<code>df</code>	Data frame
<code>name</code>	Name of batsman

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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=".",targetDirMen=".",targetDirWomen=".")
```

**Arguments**

<code>sourceDir</code>	The source directory of the yaml files
<code>targetDirMen</code>	The target directory in which the data frames for men are stored as RData files
<code>targetDirWomen</code>	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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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=".",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://cricsheet.org/>  
<https://gigadom.in/>  
<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 covers 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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 covers 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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,odir=".")
```

**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 dataframe 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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, 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

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



**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

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

## See Also

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

## Examples

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

---

getBBLBattingDetails *Gets the BBL batting details*

---

## Description

This function creates a single dataframe of all BBL batsmen

## Usage

```
getBBLBattingDetails(dir='.',odir=".")
```

## Arguments

dir	The input directory
odir	The output directory

## Note

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

## Author(s)

Tinniam V Ganesh

## References

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

## See Also

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

`getBBLBowlingDetails` *Gets the BBL bowling details*

---

## Description

This function creates a single dataframe of all BBL bowling

## Usage

```
getBBLBowlingDetails(dir='.',odir=".")
```

## Arguments

<code>dir</code>	The input directory
<code>odir</code>	The output directory

## Note

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

## Author(s)

Tinniam V Ganesh

## References

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

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)

---

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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

getCPLBattingDetails    *Gets the CPL batting details*

---

**Description**

This function creates a single dataframe of all CPL batting

**Usage**

```
getCPLBattingDetails(dir='.',odir=".")
```

**Arguments**

dir	The input directory
odir	The output directory

**Note**

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

**Author(s)**

Tinniam V Ganesh

## References

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

## See Also

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

getCPLBowlingDetails *Gets the CPL bowling details*

---

## Description

This function creates a single dataframe of all CPL bowling

## Usage

```
getCPLBowlingDetails(dir='.',odir=".")
```

## Arguments

dir	The input directory
odir	The output directory

## Note

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

## Author(s)

Tinniam V Ganesh

## References

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

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

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 nor

**Value**

dataframe The dataframe of delivery wickets

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

getIPLBattingDetails *Gets the IPL batting details*

---

**Description**

This function creates a single dataframe of all IPL batting

**Usage**

```
getIPLBattingDetails(dir='.',odir=".")
```

**Arguments**

dir	The input directory
odir	The output directory

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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



**See Also**

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

`getIPLBowlingDetails` *Gets the IPL bowling details*

---

**Description**

This function creates a single dataframe of all IPL bowling

**Usage**

```
getIPLBowlingDetails(dir='.',odir=".")
```

**Arguments**

<code>dir</code>	The input directory
<code>odir</code>	The output directory

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

getNTBBattingDetails *Gets the NTB batting details*

---

## Description

This function creates a single dataframe of all NTB batting

## Usage

```
getNTBBattingDetails(dir='.',odir=".")
```

## Arguments

dir	The input directory
odir	The output directory

## Note

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

## Author(s)

Tinniam V Ganesh

## References

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

**See Also**

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)

---

getNTBBowlingDetails *Gets the NTB bowling details*

---

**Description**

This function creates a single dataframe of all NTB bowling

**Usage**

```
getNTBBowlingDetails(dir='.',odir=".")
```

**Arguments**

dir	The input directory
odir	The output directory

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

**Note**

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

**Author(s)**

Tinniam V Ganesh

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)

---

getODIBattingDetails *Gets the ODI batting details*

---

### Description

This function creates a single dataframe of all ODI batting

### Usage

```
getODIBattingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

getODIBowlingDetails *Gets the ODI bowling details*

---

### Description

This function creates a single dataframe of all ODI bowling

### Usage

```
getODIBowlingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)

---

getPSLBattingDetails *Gets the PSL batting details*

---

### Description

This function creates a single dataframe of all PSL batting

### Usage

```
getPSLBattingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

getPSLBowlingDetails *Gets the PSL bowling details*

---

### Description

This function creates a single dataframe of all PSL bowling

### Usage

```
getPSLBowlingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)



---

getT20BattingDetails *Gets the T20 batting details*

---

### Description

This function creates a single dataframe of all T20 batting

### Usage

```
getT20BattingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getBBLBattingDetails](#)  
[getBBLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

getT20BowlingDetails *Gets the T20 bowling details*

---

### Description

This function creates a single dataframe of all T20 bowling

### Usage

```
getT20BowlingDetails(dir='.',odir=".")
```

### Arguments

dir	The input directory
odir	The output directory

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)

---

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

### References

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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, 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

`getWBBBattingDetails` *Gets the WBB batting details*

---

**Description**

This function creates a single dataframe of all WBB batsmen

**Usage**

```
getWBBBattingDetails(dir='.',odir=".")
```

**Arguments**

<code>dir</code>	The input directory
<code>odir</code>	The output directory

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBowlingDetails](#)

---

getWBBBowlingDetails *Gets the WBB bowling details*

---

**Description**

This function creates a single dataframe of all WBB bowling

**Usage**

```
getWBBBowlingDetails(dir='.',odir=".")
```

**Arguments**

dir	The input directory
odir	The output directory

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

[getIPLBattingDetails](#)  
[getIPLBowlingDetails](#)  
[getNTBBattingDetails](#)  
[getNTBBattingDetails](#)

---

helper	<i>Gets min,max date and min and max matches from dataframe</i>
--------	---

---

**Description**

This function gets min,max date and min and max matches from dataframe

**Usage**

```
helper(teamNames,odir=".")
```

**Arguments**

teamNames	The team names
odir	The output directory

**Value**

minDate,maxDate, minMatches, maxMatches

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

---

helper1	<i>Gets min,max date and min and max matches from dataframe from the year</i>
---------	---

---

**Description**

This function gets min,max date and min and max matches from dataframe

**Usage**

```
helper1(teamNames,yearValue,odir=".")
```

**Arguments**

teamNames	The team names
yearValue	The year
odir	The output directory

**Value**

minDate,maxDate,minMatches, maxMatches

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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



---

helper2	<i>Gets min,max date and min and max matches from dataframe</i>
---------	---

---

**Description**

This function gets min,max date and min and max matches from dataframe

**Usage**

```
helper2(teamNames,odir=".")
```

**Arguments**

teamNames	The team names
odir	The output directory

**Value**

minDate,maxDate, bowlingDF

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

---

helper3	<i>Gets min,max date and min and max matches from dataframe for the year</i>
---------	--

---

**Description**

This function gets min,max date and min and max matches from dataframe

**Usage**

```
helper3(teamNames,yearValue,odir=".")
```

**Arguments**

teamNames	The team names
yearValue	The year
odir	The output directory

**Value**

minDate,maxDate, bowlingDF

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

---

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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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, delivery, meta)
```

## Arguments

match	The dataframe of the match
s	The string with the delivery
ateam	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://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

```
plotWinLossTeamVsAllTeams  
Plot wins for each team
```

---

## Description

This function computes and plots number of wins for a team against all other teams. The plot includes the number of wins by team each team and the matches with no result

## Usage

```
plotWinLossTeamVsAllTeams(team1, dir=".")
```

## Arguments

team1	The 1st 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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)
```

---

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

---

**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**

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

**See Also**

[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(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**

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

**See Also**

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

**Examples**

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

---

rankT20Batsmen

*Ranks the T20 batsmen*

---

**Description**

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

**Usage**

```
rankT20Batsmen(teamNames,odir=".",minMatches, yearSelected, runsvsSR)
```

**Arguments**

teamNames	The team names
odir	The output directory
minMatches	Minimum matches played
yearSelected	Selected year
runsvsSR	Runs or Strike rate

**Value**

The ranked T20 batsmen

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

**Examples**

```
## Not run:  
rankT20Batsmen(teamNames,odir=".",minMatches, yearSelected, runsvsSR)  
  
## End(Not run)
```

---

rankT20Bowlers

*Ranks the T20 bowlers*

---

**Description**

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

**Usage**

```
rankT20Bowlers(teamNames,odir=".",minMatches, yearSelected, wicketsVsER)
```

### Arguments

teamNames	The team names
odir	The output directory
minMatches	Minimum matches played
yearSelected	Selected year
wicketsVsER	Wickets or economy rate

### Value

The ranked T20 bowlers

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

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

### Examples

```
## Not run:  
rankT20Bowlers(teamNames,odir=".",minMatches, yearSelected, wicketsVsER)  
  
## 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

dir	Input Directory
odir	Output Directory to store saved matches

### Value

None

### Note

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

### Author(s)

Tinniam V Ganesh

### References

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

### See Also

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

## Examples

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

---

```
saveAllMatchesAllOppositionBBLT20
```

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

---

## Description

This function saves all BBL matches agaist all opposition as a single dataframe in the output directory

## Usage

```
saveAllMatchesAllOppositionBBLT20(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://cricsheet.org/>  
<https://gigadom.in/>  
<https://github.com/tvganesh/yorkrData/>

**See Also**

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

**Examples**

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

---

```
saveAllMatchesAllOppositionCPLT20
```

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

---

**Description**

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

**Usage**

```
saveAllMatchesAllOppositionCPLT20(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://cricsheet.org/>  
<https://gigadom.in/>  
<https://github.com/tvganesh/yorkrData/>

## See Also

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

## Examples

```
## Not run:  
saveAllMatchesAllOppositionT20  
  
## 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 output directory

## Usage

```
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://cricsheet.org/>  
<https://gigadom.in/>  
<https://github.com/tvganesh/yorkrData/>

**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

### References

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

### See Also

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

### Examples

```
## 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

```
saveAllMatchesAllOppositionPSLT20(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://cricsheet.org/>  
<https://gigadom.in/>  
<https://github.com/tvganesh/yorkrData/>

**See Also**

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

**Examples**

```
## Not run:  
saveAllMatchesAllOppositionT20  
  
## 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**

```
saveAllMatchesAllOppositionWBBT20(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://cricsheet.org/>  
<https://gigadom.in/>  
<https://github.com/tvganesh/yorkrData/>

**See Also**

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

**Examples**

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

---

```
saveAllMatchesBetween2BBLTeams
```

*Saves all matches between 2 BBL teams as dataframe*

---

**Description**

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

**Usage**

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

**Arguments**

dir	Input Directory
odir	Output Directory to store saved matches

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

**Examples**

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

---

`saveAllMatchesBetween2CPLTeams`*Saves all matches between 2 CPL teams as dataframe*

---

**Description**

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

**Usage**

```
saveAllMatchesBetween2CPLTeams(dir=".",odir=".")
```

**Arguments**

<code>dir</code>	Input Directory
<code>odir</code>	Output Directory to store saved matches

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

**Examples**

```
## Not run:  
saveAllMatchesBetween2IPLTeams(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

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

dir	Input Directory
odir	Output Directory to store saved matches

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

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

## Examples

```
## 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

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

## Arguments

dir	Input Directory
odir	Output Directory to store saved matches

## Value

None

## Note

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

## Author(s)

Tinniam V Ganesh

## References

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

## See Also

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



**Examples**

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

---

```
saveAllMatchesBetween2WBBTeams
```

*Saves 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

**Value**

None

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

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

### See Also

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

**Examples**

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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 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 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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=FALSE then the dataframe is returned



**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 &lt;- 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 &lt;- 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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 &lt;- 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 &lt;- 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**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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**

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

**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

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



**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**

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

**See Also**

[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 Main*

---

**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

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

### 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)
```

---

`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**

<code>match</code>	The match between the teams
<code>theTeam</code>	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**

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

**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**

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

**See Also**

[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 alll matches against all oppositions

### Note

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

### Author(s)

Tinniam V Ganesh

### References

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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")  
  
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 alll matches against all oppositions

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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 all matches against all oppositions

**Note**

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

**Author(s)**

Tinniam V Ganesh

**References**

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

**See Also**

[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 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

<https://cricsheet.org/>  
<https://gigadom.in/>  
<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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