

# Package ‘statsguRu’

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**Type** Package

**Version** 0.1.0

**Title** Extract, Visualize and Analyze Cricket Statistics from  
ESPNCricinfo's Statsguru

**Description** Use this package to scrap Test Matches, One Day Internationals, Twenty-20 Internationals data of a player from ESPNCricinfo's Statsguru (<<http://stats.espncricinfo.com/ci/engine/stats/index.html>>) and then visualize their batting, bowling and fielding performances in the form of charts and graphs.

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**URL** <https://github.com/npranav10/statsguRu>

**BugReports** <https://github.com/npranav10/statsguRu/issues>

**License** MIT + file LICENSE

**Encoding** UTF-8

**Depends** htmltab,plotrix,devtools,grDevices,graphics,utils

**RoxygenNote** 6.1.1

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

dispBatsmanDismissals . . . . .	2
dispBatsmanDismissalsByBowlerType . . . . .	2
dispBattingAveByContinent . . . . .	3
dispBattingAveByHostCountry . . . . .	4
dispBattingAveByOpposition . . . . .	4
dispBattingAveByPosPlayed . . . . .	5
dispBattingAveByYears . . . . .	6
getBattingSummary . . . . .	6

getDismissalSummary . . . . .	7
splitBattingSummary . . . . .	7
splitDismissalSummary . . . . .	8

<b>Index</b>	<b>9</b>
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dispBatsmanDismissals *Plots a pie chart of Dismissal Summary of a Player*

### Description

This function takes in output of splitDismissalSummary and plots the Dismissal Summary of a Player as a pie chart.

### Usage

```
dispBatsmanDismissals(data)
```

### Arguments

data                    Output of splitDismissalSummary().

### Value

Plots a pie chart of Dismissal Summary of a player.

### Examples

```
sachin = getDismissalSummary(35320,11)
sachin1 = splitDismissalSummary(sachin)
dispBatsmanDismissals(sachin1)
```

dispBatsmanDismissalsByBowlerType

*Plots a pie chart of Dismissal Summary vs type and style of Bowlers*

### Description

This function takes in output of splitDismissalSummary and Plots a pie chart of Dismissal Summary vs type and style of Bowlers.

### Usage

```
dispBatsmanDismissalsByBowlerType(data)
```

### Arguments

data                    Output of splitDismissalSummary().

**Value**

Plots a pie chart of Dismissal Summary vs type and style of Bowlers

**Examples**

```
sachin = getDismissalSummary(35320,11)
sachin1 = splitDismissalSummary(sachin)
dispBatsmanDismissalsByBowlerType(sachin1)
```

---

`dispBattingAveByContinent`

*Displays Barplot of Players's Batting Average by List of Continents Played by the Player*

---

**Description**

This function takes in "Batting Summary" dataframe modified after `splitBattingSummary` and plots a player's batting average in every continent.

**Usage**

```
dispBattingAveByContinent(data)
```

**Arguments**

`data`                      Output of `splitBattingSummary`.

**Value**

Plots a player's batting average in every continent.

**Examples**

```
sachin = getBattingSummary(35320,1)
sachin1 = splitBattingSummary(sachin,1)
dispBattingAveByContinent(sachin1)
```

dispBattingAveByHostCountry

*Displays Barplot of Players's Batting Average by List of Host Country*

---

### **Description**

This function takes in "Batting Summary" dataframe modified after splitBattingSummary and plots a player's batting average in every host opposition team.

### **Usage**

```
dispBattingAveByHostCountry(data)
```

### **Arguments**

data                      Output of splitBattingSummary.

### **Value**

Plots a player's batting average in Every host Country.

### **Examples**

```
sachin = getBattingSummary(35320,11)
sachin1 = splitBattingSummary(sachin,11)
dispBattingAveByHostCountry(sachin1)
```

---

dispBattingAveByOpposition

*Displays Barplot of Players's Batting Average by List of Opposition teams*

---

### **Description**

This function takes in "Batting Summary" dataframe modified after splitBattingSummary and plots a player's batting average against every opposition team.

### **Usage**

```
dispBattingAveByOpposition(data)
```

### **Arguments**

data                      Output of splitBattingSummary.

**Value**

Plots a player's batting average against every opposition team.

**Examples**

```
sachin = getBattingSummary(35320,2)
sachin1 = splitBattingSummary(sachin,2)
dispBattingAveByOpposition(sachin1)
```

---

`dispBattingAveByPosPlayed`

*Displays Barplot of Players's Batting according to the Player's Batting Position*

---

**Description**

This function takes in "Batting Summary" dataframe modified after `splitBattingSummary` and plots a player's batting position-wise batting average.

**Usage**

```
dispBattingAveByPosPlayed(data)
```

**Arguments**

`data`                      Output of `splitBattingSummary`.

**Value**

Plots a player's batting position-wise batting average.

**Examples**

```
sachin = getBattingSummary(35320,2)
sachin1 = splitBattingSummary(sachin,2)
dispBattingAveByPosPlayed(sachin1)
```

dispBattingAveByYears *Displays Barplot of Players's Batting Average Year-wise*

---

**Description**

This function takes in "Batting Summary" dataframe modified after splitBattingSummary and plots a player's year-wise batting average.

**Usage**

```
dispBattingAveByYears(data)
```

**Arguments**

data                      Output of splitBattingSummary.

**Value**

Plots a player's year-wise batting average.

**Examples**

```
sachin = getBattingSummary(35320,11)
sachin1 = splitBattingSummary(sachin,11)
dispBattingAveByYears(sachin1)
```

---

getBattingSummary            *Gets a Players's Batting Summary*

---

**Description**

This function scraps batting summary info from Statsguru and returns a dataframe

**Usage**

```
getBattingSummary(PlayerID, MatchType)
```

**Arguments**

PlayerID                  ESPNCRicinfo Player ID.  
MatchType                Type of Match Played (1 for Test; 2 for ODI; 3 for T20I ; 11 for All)

**Value**

Returns dataframe containing complete Batting Summary of a Player

### Examples

```
sachin = getBattingSummary(35320,11)
```

---

getDismissalSummary     *Gets a Players's Dismissal Summary (whilst Batting)*

---

### Description

This function scraps exclusive dismissal summary (as a batsman) info from Statsguru and returns a dataframe

### Usage

```
getDismissalSummary(PlayerID, MatchType)
```

### Arguments

PlayerID	ESPNCricinfo Player ID.
MatchType	Type of Match Played (1 for Test; 2 for ODI; 3 for T20I ; 11 for All)

### Value

Returns DataFrame containing complete Batting Dismissals Summary of a Player

### Examples

```
sachin = getDismissalSummary(35320,11)
```

---

splitBattingSummary     *Splits Batting Summary data into different categories*

---

### Description

This function takes in "Batting Summary" dataframe and returns a list comprising data segregated into different categories that can inferred from a Players's Batting Summary.

### Usage

```
splitBattingSummary(data, MatchType)
```

### Arguments

data	Output of getBattingSummary().
MatchType	Type of Match Played (1 for Test; 2 for ODI; 3 for T20I ; 11 for All)

**Value**

Returns a list comprising data segregated into different categories of Batting Summary statistics

**Examples**

```
sachin = getBattingSummary(35320,1)
sachin1 = splitBattingSummary(sachin,1)
dhoni = getBattingSummary(28081,2)
dhoni1 = splitBattingSummary(dhoni,2)
kohli = getBattingSummary(253802,3)
kohli1 = splitBattingSummary(kohli,3)
```

---

splitDismissalSummary *Splits Dismissal Summary data into respective categories*

---

**Description**

This function takes in output dataframe of getDismissalSummary and returns a list comprising data segregated into different dismissal categories.

**Usage**

```
splitDismissalSummary(dataframe)
```

**Arguments**

dataframe      Output of getDismissalSummary().

**Value**

Returns a list comprising data segregated into different dismissal categories

**Examples**

```
sachin = getDismissalSummary(35320,11)
sachin1 = splitDismissalSummary(sachin)
```



# Index

`dispBatsmanDismissals`, 2  
`dispBatsmanDismissalsByBowlerType`, 2  
`dispBattingAveByContinent`, 3  
`dispBattingAveByHostCountry`, 4  
`dispBattingAveByOpposition`, 4  
`dispBattingAveByPosPlayed`, 5  
`dispBattingAveByYears`, 6  
  
`getBattingSummary`, 6  
`getDismissalSummary`, 7  
  
`splitBattingSummary`, 7  
`splitDismissalSummary`, 8