

#— #output: # pdf\_document: default # html\_document: default

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*#Importing the data set*

*#Source: <https://www.kaggle.com/datasets/hasibalmuzdadid/asia-cup-cricket-1984-to-2022>*

Mydata <- read.csv("C:\\Users\\shash\\Dropbox\\PC\\Downloads\\archive\\batsman data.csv")

Mydata

##	Player.Name	Country	Time.Period	Matches	Played	Not.Outs	Runs
## 1	ST Jayasuriya	Sri Lanka	1990-2008	25	24	1	1220
## 2	KC Sangakkara	Sri Lanka	2004-2014	24	23	1	1075
## 3	SR Tendulkar	India	1990-2012	23	21	2	971
## 4	Shoaib Malik	Pakistan	2000-2018	17	15	3	786
## 5	RG Sharma	India	2008-2018	22	21	5	745
## 6	A Ranatunga	Sri Lanka	1984-1997	19	19	6	741
## 7	Mushfiqur Rahim	Bangladesh	2008-2018	21	21	2	699
## 8	DPMD Jayawardene	Sri Lanka	2000-2014	28	26	3	674
## 9	MS Dhoni	India	2008-2018	19	16	6	648
## 10	PA de Silva	Sri Lanka	1984-2000	24	22	2	645
## 11	MS Atapattu	Sri Lanka	1997-2004	13	12	2	642
## 12	V Kohli	India	2010-2014	11	10	0	613
## 13	Inzamam-ul-Haq	Pakistan	1995-2004	15	13	3	591
## 14	G Gambhir	India	2008-2012	13	13	0	573
## 15	SK Raina	India	2008-2012	13	13	4	547
## 16	Younis Khan	Pakistan	2004-2012	14	13	2	546
## 17	S Dhawan	India	2014-2018	9	9	0	534
## 18	Shahid Afridi	Pakistan	1997-2014	23	21	6	532
## 19	NS Sidhu	India	1988-1997	14	12	4	530
## 20	Tamim Iqbal	Bangladesh	2008-2018	13	13	1	519
## 21	SC Ganguly	India	1997-2004	13	12	2	518
## 22	Umar Akmal	Pakistan	2010-2014	12	12	2	510
## 23	V Sehwag	India	2004-2010	13	13	0	509
## 24	Mohammad Yousuf	Pakistan	2000-2008	14	12	3	490
## 25	M Azharuddin	India	1988-2000	18	13	5	468
## 26	Misbah-ul-Haq	Pakistan	2008-2014	14	13	4	419
## 27	Mohammad Hafeez	Pakistan	2012-2014	9	9	0	403
## 28	Shakib Al Hasan	Bangladesh	2010-2018	13	13	1	402
## 29	Athar Ali Khan	Bangladesh	1988-1997	11	11	1	368
## 30	TM Dilshan	Sri Lanka	2000-2012	20	18	1	368
## 31	CK Kapugedera	Sri Lanka	2008-2012	12	11	2	365
## 32	HDRL Thirimanne	Sri Lanka	2012-2014	8	8	0	363
## 33	Akram Khan	Bangladesh	1988-2000	13	13	1	345
## 34	R Dravid	India	1997-2004	13	9	0	334
## 35	AD Mathews	Sri Lanka	2010-2018	11	10	6	331
## 36	Mahmudullah	Bangladesh	2008-2018	20	19	6	328
## 37	Saeed Anwar	Pakistan	1995-2000	9	9	0	320
## 38	Mohammad Ashraful	Bangladesh	2004-2010	12	12	0	316
## 39	Yuvraj Singh	India	2004-2008	11	10	2	312
## 40	Mohammad Shahzad	Afghanistan	2014-2018	9	9	0	308
## 41	WU Tharanga	Sri Lanka	2010-2018	9	9	0	304
## 42	KD Karthik	India	2010-2018	12	11	4	302
## 43	Nasir Jamshed	Pakistan	2008-2012	6	6	2	298
## 44	AP Gurusinha	Sri Lanka	1986-1995	10	10	1	281
## 45	Asghar Afghan	Afghanistan	2014-2018	9	9	1	277
## 46	RS Mahanama	Sri Lanka	1986-1997	16	14	1	273
## 47	Hashmatullah Shahidi	Afghanistan	2018-2018	5	5	1	263
## 48	AT Rayudu	India	2014-2018	10	9	3	260
## 49	Fawad Alam	Pakistan	2008-2014	4	3	2	251
## 50	Javed Omar	Bangladesh	1995-2004	7	7	1	250
##	Highest.Score	Batting.Average	Balls.Faced	Strike.Rate	Centuries	Fifties	
## 1	130	53.04	1190	102.52	6	3	
## 2	121	48.86	1272	84.51	4	8	
## 3	114	51.10	1136	85.47	2	7	

## 4	143	65.50	867	90.65	3	3
## 5	111	46.56	877	84.94	1	6
## 6	131	57.00	895	82.79	1	6
## 7	144	36.78	827	84.52	2	2
## 8	78	29.30	769	87.64	0	7
## 9	109	64.80	739	87.68	1	3
## 10	96	32.25	773	83.44	0	4
## 11	100	64.20	903	71.09	1	6
## 12	183	61.30	631	97.14	3	1
## 13	88	59.10	662	89.27	0	6
## 14	100	44.07	637	89.95	1	5
## 15	116	60.77	480	113.95	2	3
## 16	144	49.63	543	100.55	2	3
## 17	127	59.33	584	91.43	2	2
## 18	124	35.46	378	140.74	2	1
## 19	104	66.25	682	77.71	1	6
## 20	70	43.25	638	81.34	0	6
## 21	135	51.80	700	74.00	1	4
## 22	102	51.00	513	99.41	1	4
## 23	119	39.15	447	113.87	1	3
## 24	100	54.44	638	76.80	1	2
## 25	90	58.50	563	83.12	0	4
## 26	76	46.55	490	85.51	0	5
## 27	105	44.77	581	69.36	1	3
## 28	68	33.50	390	103.07	0	3
## 29	82	36.80	641	57.41	0	2
## 30	71	21.64	408	90.19	0	2
## 31	75	40.55	443	82.39	0	4
## 32	102	45.37	477	76.10	2	0
## 33	64	28.75	545	63.30	0	2
## 34	104	37.11	427	78.22	1	2
## 35	74	82.75	402	82.33	0	3
## 36	74	25.23	525	62.47	0	1
## 37	90	35.55	412	77.66	0	2
## 38	109	26.33	504	62.69	1	1
## 39	50	39.00	354	88.13	0	1
## 40	124	34.22	377	81.69	1	1
## 41	57	33.77	379	80.21	0	2
## 42	66	43.14	410	73.65	0	1
## 43	112	74.50	300	99.33	1	3
## 44	85	31.22	440	63.86	0	1
## 45	90	34.62	360	76.94	0	2
## 46	55	21.00	491	55.60	0	1
## 47	97	65.75	364	72.25	0	3
## 48	60	43.33	318	81.76	0	3
## 49	114	251.00	281	89.32	1	2
## 50	85	41.66	447	55.92	0	3
##	Ducks	Fours	Sixes			
## 1	1	139	23			
## 2	2	107	7			
## 3	0	108	8			
## 4	0	76	8			
## 5	1	60	17			
## 6	0	49	7			
## 7	0	54	10			
## 8	3	70	6			

```
## 9      1    47    12
## 10     0    44     4
## 11     0    51     2
## 12     0    60     4
## 13     1    41    12
## 14     1    60     2
## 15     0    48    18
## 16     0    47     5
## 17     0    62     8
## 18     2    46    26
## 19     0    43     7
## 20     0    59     3
## 21     0    44    13
## 22     0    39     9
## 23     1    67    12
## 24     1    48     4
## 25     1    25     9
## 26     1    31    10
## 27     0    35     3
## 28     2    39     5
## 29     0    27     2
## 30     1    38     2
## 31     1    26     8
## 32     0    34     3
## 33     0    23     1
## 34     0    29     1
## 35     1    24     3
## 36     1    19     2
## 37     1    36     3
## 38     1    29     2
## 39     1    24     7
## 40     0    32    10
## 41     0    32     3
## 42     0    30     2
## 43     0    34     4
## 44     1     6     4
## 45     1    18     8
## 46     1    14     1
## 47     1    17     0
## 48     0    17     7
## 49     0    15     5
## 50     0    16     1
```

```
#Displaying the summery of dataset
summary(Mydata)
```

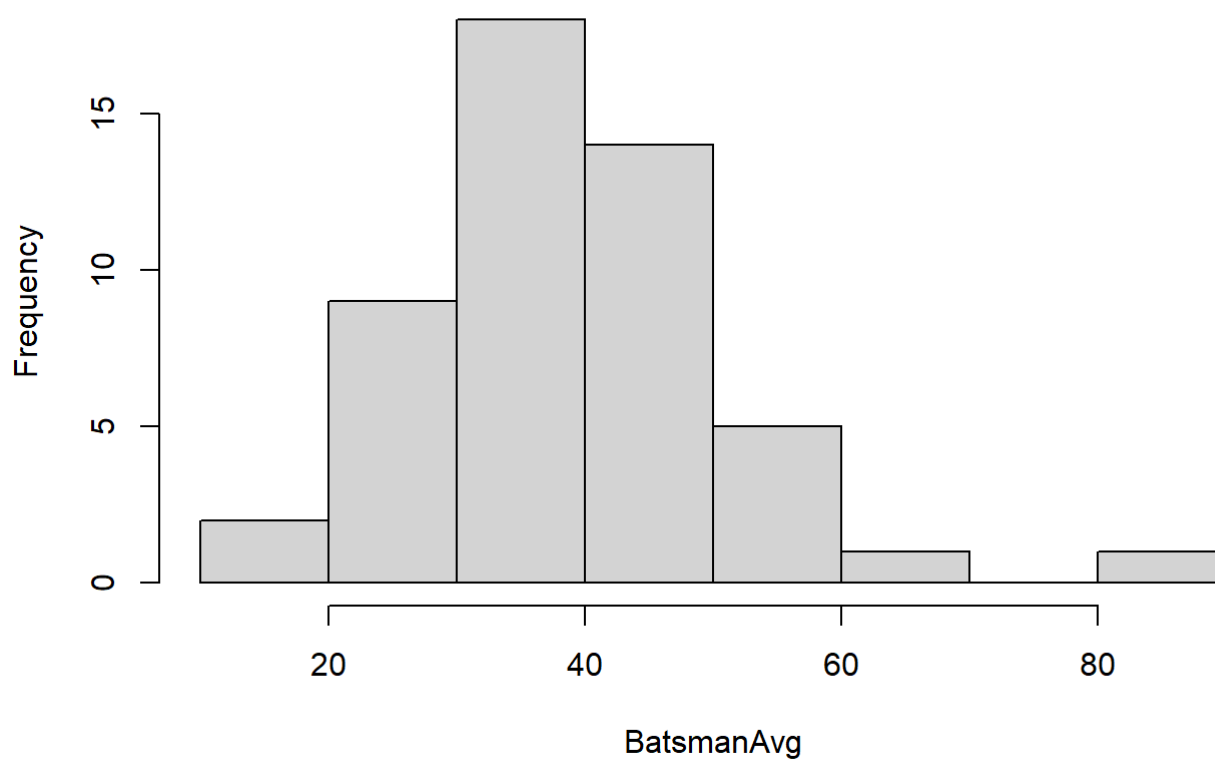
```
## Player.Name          Country          Time.Period          Matches
## Length:50           Length:50        Length:50           Min.   : 4.00
## Class :character    Class :character    Class :character    1st Qu.:10.25
## Mode  :character    Mode  :character    Mode  :character    Median :13.00
##                                     Mean   :14.06
##                                     3rd Qu.:17.75
##                                     Max.   :28.00
##      Played          Not.Outs          Runs          Highest.Score
## Min.   : 3.00      Min.   :0.0      Min.   : 250.0      Min.   : 50.00
## 1st Qu.: 9.25      1st Qu.:1.0      1st Qu.: 317.0      1st Qu.: 76.50
## Median :12.00      Median :2.0      Median : 443.5      Median :100.00
## Mean   :13.12      Mean   :2.1      Mean   : 487.3      Mean   : 99.36
## 3rd Qu.:14.75      3rd Qu.:3.0      3rd Qu.: 586.5      3rd Qu.:115.50
## Max.   :26.00      Max.   :6.0      Max.   :1220.0      Max.   :183.00
## Batting.Average     Balls.Faced          Strike.Rate          Centuries
## Min.   : 21.00      Min.   : 281.0      Min.   : 55.60      Min.   :0.00
## 1st Qu.: 35.48      1st Qu.: 410.5      1st Qu.: 76.28      1st Qu.:0.00
## Median : 44.42      Median : 519.0      Median : 82.95      Median :1.00
## Mean   : 50.03      Mean   : 582.2      Mean   : 83.68      Mean   :0.92
## 3rd Qu.: 58.12      3rd Qu.: 677.0      3rd Qu.: 89.79      3rd Qu.:1.00
## Max.   :251.00      Max.   :1272.0      Max.   :140.74      Max.   :6.00
##      Fifties          Ducks          Fours          Sixes
## Min.   :0.00      Min.   :0.00      Min.   : 6.00      Min.   : 0.00
## 1st Qu.:2.00      1st Qu.:0.00      1st Qu.: 26.25      1st Qu.: 3.00
## Median :3.00      Median :0.00      Median : 38.50      Median : 5.00
## Mean   :3.16      Mean   :0.58      Mean   : 42.78      Mean   : 6.66
## 3rd Qu.:4.00      3rd Qu.:1.00      3rd Qu.: 50.50      3rd Qu.: 8.75
## Max.   :8.00      Max.   :3.00      Max.   :139.00      Max.   :26.00
```

```
#Logic to display the Histogram
```

```
BatsmanAvg <- Mydata$Runs / Mydata$Played
```

```
hist(BatsmanAvg)
```

## Histogram of BatsmanAvg



```
#Logic to display the Scatter plot
```

```
library(ggplot2)
```

```
plot(Mydata$Played,Mydata$Runs,xlab ="No of Matches" , ylab = "No of runs")
```

