

# rohit sharma odi career

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```
data101 = read.csv("C:/Users/desineni/Desktop/ROHIT.csv")
data101
```

```
##      X  Year Innings Runs Balls Outs  Avg    SR  HS X50 X100 X4s X6s Dot..
## 1    0  2007      3   61    74    3 20.3  82.4  52   1   0   3   1  47.3
## 2    1  2008     28  532   733   21 25.3  72.6  70   3   0  44   3  53.9
## 3    2  2009      7  102   155    4 25.5  65.8  43   0   0   5   1  52.3
## 4    3  2010     14  504   586   13 38.8  86.0 114   1   2  34   7  43.9
## 5    4  2011     16  611   739   11 55.5  82.7  95   6   0  40   9  45.6
## 6    5  2012     13  168   251   13 12.9  66.9  68   1   0  12   2  56.6
## 7    6  2013     27 1196  1480   23 52.0  80.8 209   8   2 119  30  57.8
## 8    7  2014     12  578   613   11 52.5  94.3 264   3   1  58  22  54.3
## 9    8  2015     17  815   854   16 50.9  95.4 150   4   3  76  23  51.1
## 10   9  2016     10  564   592    9 62.7  95.3 171   2   2  46  19  51.2
## 11  10  2017     21 1293  1300   18 71.8  99.5 208   5   6 116  46  49.5
## 12  11  2018     19 1030  1029   14 73.6 100.1 162   3   5 104  39  52.4
## 13  12  2019     27 1490  1657   26 57.3  89.9 159   6   7 146  36  53.0
## 14  13  2020      3  171   187    3 57.0  91.4 119   0   1  16   6  54.5
## 15  14  2021      3   90   104    3 30.0  86.5  37   0   0  15   0  56.7
## 16  15 Total     220 9205 10354  188 49.0  88.9 264  43  29 834 244  52.1
##      HS.in.the.year
## 1      M HAYDEN
## 2      B MACCULLUM
## 3      CK COVENTRY
## 4      SACHIN
## 5      SEHWAG
## 6      V KOHLI
## 7      ROHIT
## 8      ROHIT
## 9      MJ GUPTIL
## 10     DE KOCK
## 11     ROHIT
## 12     FAKHAR ZAMAN
## 13     JOHN CAMPBELL
## 14     LITON DAS
## 15     FAKHAR ZAMAN
## 16
```

```
#ABove is the selected data
mean(data101$Runs)
```

```
## [1] 1150.625
```

```
#this is the mean of the number of runs scored by rohit in his career  
sd(data101$Runs)
```

```
## [1] 2194.52
```

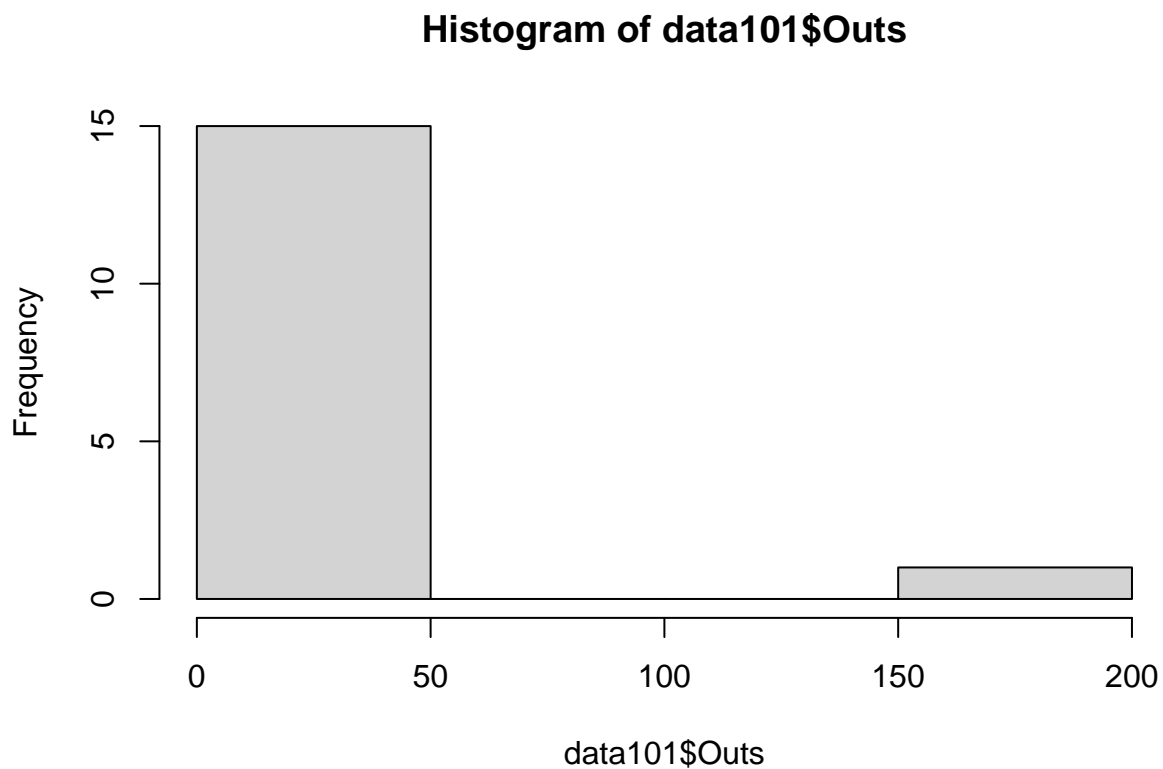
```
#this is the standard deviation fo the runs  
median(data101$Balls)
```

```
## [1] 673
```

```
data101$Runs_transformed = (data101$Runs - median(data101$Runs)/sd(data101$runs) + mean(data101$Runs))  
data101$Runs_transformed
```

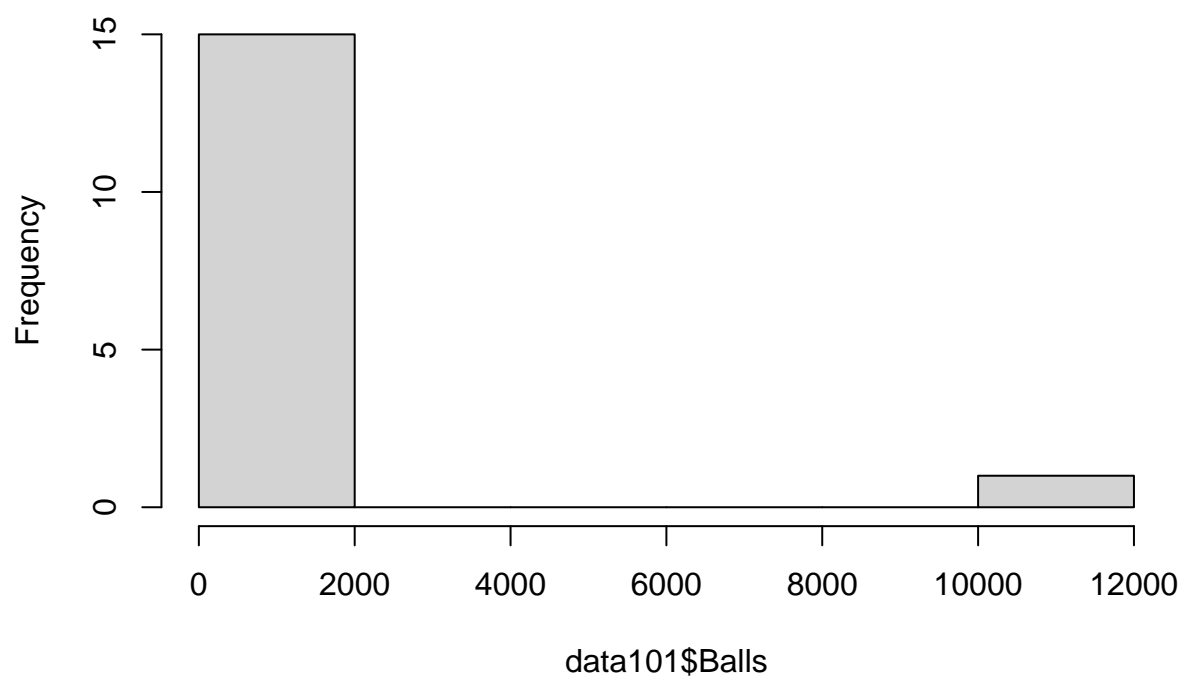
```
## [1] NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA
```

```
#this is the transformation thats is made  
hist(data101$Outs)
```

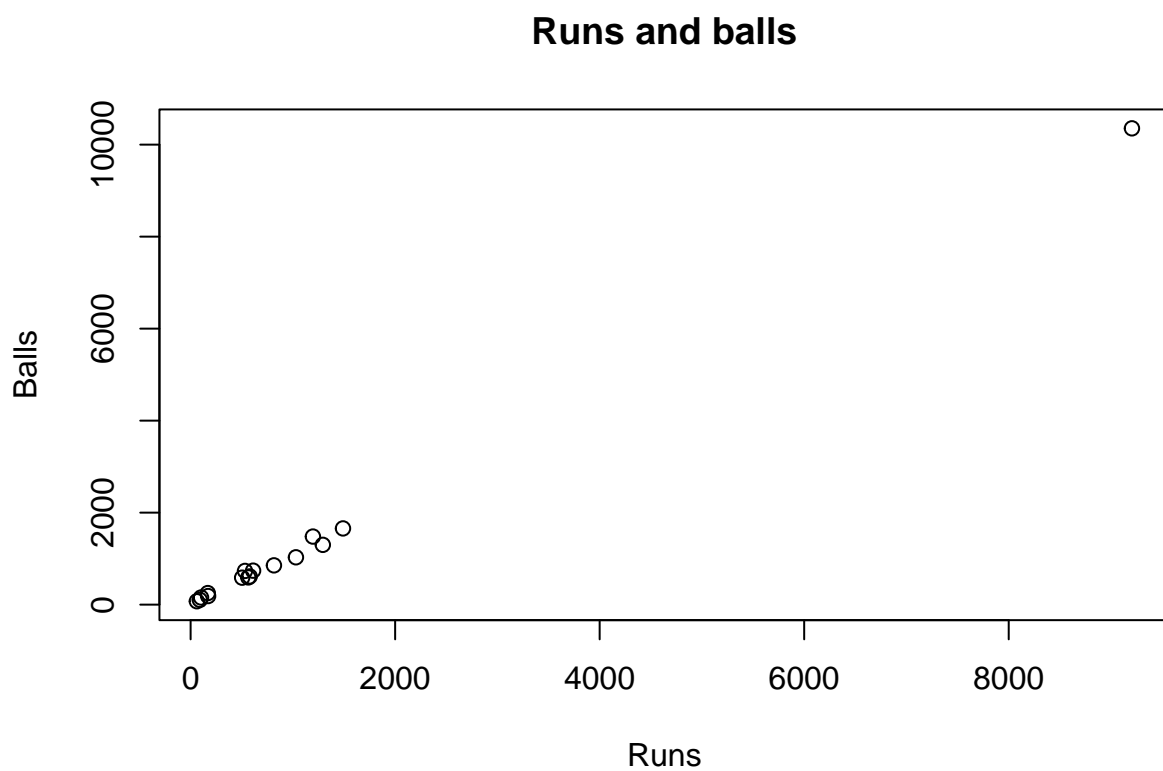


```
#this is the dipiction of the number of out's on the histogram  
hist(data101$Balls)
```

**Histogram of data101\$Balls**



```
#this is the depiction of the number of balls played on the histogram  
x = data101$Runs  
y = data101$Balls  
plot(x,y, main = "Runs and balls", xlab = "Runs", ylab = "Balls")
```



*#here is the representation of the x and y variables with the assigned values plotted on the graph*