**Week 5**

**Aim:** To Compute Moments and Skewness of a distribution

**Code:**

marksheet=read.csv("G:\\VIT\\Win Sem 2016\\Labs\\R Lab (MAT 2001)\\Week 3\\Week3.csv")

marks1=marksheet$Marks

moment(marks1,order=2,central = TRUE)

skewness(marks1)

kurtosis(marks1)

**Input/Database use**

|  |
| --- |
| Marks |
| 54 |
| 54 |
| 57 |
| 56 |
| 86 |
| 84 |
| 83 |
| 95 |
| 72 |
| 65 |
| 84 |
| 95 |
| 75 |
| 52 |
| 87 |
| 35 |
| 75 |
| 84 |
| 92 |
| 72 |
| 1 |
| 20 |
| 100 |
| 81 |
| 73 |
| 94 |
| 76 |
| 81 |
| 53 |
| 94 |
| 53 |
| 78 |
| 35 |
| 29 |
| 78 |
| 95 |
| 45 |
| 53 |
| 84 |
| 4 |
| 45 |
| 45 |
| 54 |
| 51 |
| 29 |
| 78 |
| 35 |
| 78 |
| 84 |
| 95 |

**Output:**

> marksheet=read.csv("G:\\VIT\\Win Sem 2016\\Labs\\R Lab (MAT 2001)\\Week 3\\Week3.csv")

> marks1=marksheet$Marks

> moment(marks1,order=2,central = TRUE)

[1] 591.6864

> skewness(marks1)

[1] -0.7542109

> kurtosis(marks1)

[1] 2.884811

**Aim:**

The Moments and skewness were successfully calculated.