DELHI TECHNOLOGICAL UNIVERSITY

PROBABILITY AND STATISTICS (MC-205)

PRACTICAL FILE

SUBMITTED TO:

PROF. JAMKHONGAM TOUTHANG

SUBMITTED BY:

NITYA MITTAL

(2K19/MC/089)

INDEX

S. No.	Name of Experiment	Page	Date	Signature
1	**IMPORTING DATA INTO SPSS FROM TEXT AND MICROSOFT EXCEL FILES**			
2	(a) **MERGING OF FILES** (b) **SPLITTING OF FILES**			
3	**PICTORIAL REPRESENTATION OF DATA**			
4	**DISTRIBUTION OF CURVES**			
5	**DESCRIPTIVE STATISTICS FOR DATA IN SPSS**			
6	**CORRELATION AND REGRESSION**			
7	**HYPOTHESIS TESTING**			
8	***t*-TEST**			
9	**CHI-SQUARE TEST**			
10	**ANOVA**			

EXPERIMENT 1

Importing Data into R from Text and Microsoft Excel Files

SOURCE CODE:

1. Importing Data from Text File

```
tf<- read.table("SampleDataR.txt",
        header = FALSE,
        sep = "/",


        strip.white = TRUE,
        na.strings = "EMPTY")
print(tf)
```

2. Importing Data from Excel File

```
df<- read.csv2("ArgentinaCPI.csv",
            header= TRUE,
            quote="\"",
            stringsAsFactors = TRUE,
            strip.white = TRUE)
print(df)
```

OUTPUT:

1. Importing Data from Text File

```
   V1 V2        V3    V4              V5
1   1  6 12:01:03 0.50          WORST
2   2 16 07:42:51 0.32           BEST
3   3 19 12:01:29 0.50          <NA>
4   4 13 03:22:50 0.14  INTERMEDIATE
5   5  8 09:30:03 0.40        WORSTs
> |
```

2. Importing Data from Excel File

```
> view(df)              35        35,1978.5,744
> print(df)             36    36,1978.75,950.91
          x.time.value  37     37,1979,1255.96
1          1,1970,1.01  38   38,1979.25,1560.66
2       2,1970.25,1.06  39    39,1979.5,1999.51
3        3,1970.5,1.13  40   40,1979.75,2367.83
4       4,1970.75,1.24  41     41,1980,2805.64
5          5,1971,1.33  42   42,1980.25,3328.89
6       6,1971.25,1.45  43     43,1980.5,3818.9
7        7,1971.5,1.64  44   44,1980.75,4469.26
8       8,1971.75,1.77  45     45,1981,5115.07
9          9,1972,2.24  46   46,1981.25,6297.67
10     10,1972.25,2.58  47    47,1981.5,8125.88
11      11,1972.5,2.92  48   48,1981.75,9952.58
12     12,1972.75,3.2   49    49,1982,12659.68
13        13,1973,4.26  50  50,1982.25,14482.68
14     14,1973.25,4.89  51   51,1982.5,20789.88
15      15,1973.5,4.94  52  52,1982.75,30153.65
16     16,1973.75,5.15  53     53,1983,43626.3
17        17,1974,5.19  54  54,1983.25,59885.82
18     18,1974.25,5.57  55   55,1983.5,91200.11
19        19,1974.5,6   56  56,1983.75,151820.8
20     20,1974.75,6.92  57      57,1984,238465
21        21,1975,8.22  58  58,1984.25,394707.2
22     22,1975.25,10.57 59   59,1984.5,688803.6
23      23,1975.5,19.53 60   60,1984.75,1196314
24     24,1975.75,28.56 61     61,1985,2180880
25        25,1976,45.68 62   62,1985.25,4484544
26     26,1976.25,85.61 63    63,1985.5,6170733
27     27,1976.5,101.12 64   64,1985.75,6608855
28    28,1976.75,131.67 65     65,1986,7194400
29       29,1977,171.96 66   66,1986.25,8140463
30    30,1977.25,209.93 67    67,1986.5,9834494
31     31,1977.5,267.05 68  68,1986.75,11798442
32    32,1977.75,355.82 69    69,1987,14267856
33       33,1978,466.84 70  70,1987.25,16727634
34    34,1978.25,606.61 71   71,1987.5,22297936
35        35,1978.5,744 72  72,1987.75,32220516
36    36,1978.75,950.91 73    73,1988,41661128
37     37,1979,1255.96  74  74,1988.25,64616412
38   38,1979.25,1560.66 75   75,1988.5,116430000
39    39,1979.5,1999.51 76  76,1988.75,155770000
40   40,1979.75,2367.83 77    77,1989,203130000
41     41,1980,2805.64  78  78,1989.25,679960000
42   42,1980.25,3328.89 79  79,1989.5,4537300000
43     43,1980.5,3818.9 80 80,1989.75,6611700000
```