Q1.
```
getwd()
setwd("C:/n")
data <- read.csv("World Cups.csv")
print(data)
is.data.frame(data)

print(data $ Year)

da <- subset(data, Year == 2010)
print(d)

print(max(data $winner))
```

Q2. Descriptive statistics → area part of statistics. that can be used to describe data It is used to summarize the attributes of a enables researchers to present data in a more meaningful way such that easy interpretation can be made.

Population -
min → 563626
mean → 6073769
median → 4339367

Population desity
min = 1264
mean = 354.549
median = 102.600

max = $ 10298

murders
min = 7.0
1st ou = 49.0
medien = 1510
mean = 384.0

gun murders.
min → 2
Median → 97
mean → 184
max = 1257

Infererntial statistics → it is a branch of
statistic that is used to make inference
about the population by al analyzing
a sample when the value population data
● is very larger it becomes difficult to
use it in such cases, certin samples are
larger that are representative of tha
entive population. Some methodlogies used
in inferential statistics are as follows.

i) Hypothesis testing
ii) Regression Analysis.

Ankit

```
getwd()
data <- read.csv("worldcups.csv")
print(data)

is.data.frame(data)
print(data$Year)

d <- subset(data, Year == 2010)
print(d)
```

```
> getwd()
[1] "c:/n"
> data <- read.csv("worldCups.csv")
> print(data)
   Year      Country        winner   Runners.Up          Third       Fourth
1  1930      Uruguay       Uruguay    Argentina            USA    Yugoslavia
2  1934        Italy         Italy Czechoslovakia        Germany       Austria
3  1938       France         Italy      Hungary         Brazil        Sweden
4  1950       Brazil       Uruguay        Brazil         Sweden         Spain
5  1954  Switzerland   Germany FR      Hungary        Austria       Uruguay
6  1958       Sweden        Brazil       Sweden         France    Germany FR
7  1962        Chile        Brazil Czechoslovakia         Chile    Yugoslavia
8  1966      England       England      Germany FR      Portugal  Soviet Union
9  1970       Mexico        Brazil        Italy      Germany FR       Uruguay
10 1974  Germany FR    Germany FR  Netherlands         Poland        Brazil
11 1978    Argentina     Argentina  Netherlands         Brazil         Italy
12 1982        Spain         Italy      Germany FR        Poland        France
13 1986       Mexico     Argentina  Germany FR         France       Belgium
14 1990        Italy    Germany FR    Argentina          Italy       England
15 1994          USA        Brazil        Italy       Bulgaria        Sweden
16 1998       France        France       Brazil       Croatia   Netherlands
17 2002  Korea/Japan       Brazil      Germany Turkey Korea Republic
18 2006        Italy         Italy       France         Germany      Portugal
19 2010 South Africa        Spain  Netherlands        Germany       Uruguay
20 2014       Brazil      Germany   Argentina     Netherlands        Brazil
   GoalsScored QualifiedTeams MatchesPlayed Attendance
1           70             13            18    590.549
2           70             16            17    363.000
3           84             15            18    375.700
4           88             13            22  1.045.246
5          140             16            26    768.607
6          126             16            35    819.810
7           89             16            32    893.172
8           89             16            32  1.563.135
9           95             16            32  1.603.975
10          97             16            38  1.865.753
11         102             16            38  1.545.791
12                        16                1.545.791
```

```
11    102    16        38  1.545.791
12    146    24    52  2.109.723
13    132    24    52  2.394.031
14    115    24    52  2.516.215
15    141    24    64  3.587.538
16    171    32        64  2.785.100
17    161    32    64  2.705.197
18    147    32    64  3.359.439
19    145    32    64  3.178.856
20    171    32        64  3.386.810

> is.data.frame(data)
[1] TRUE
> print(data$Year)
 [1] 1930 1934 1938 1950 1954 1958 1962 1966 1970 1974 1978 1982 1986 1990 1994 1998
[17] 2002 2006 2010 2014
> d <- subset(data, Year == 2010)
> print(d)
    Year   Country Winner Runners.Up      Third   Fourth GoalsScored QualifiedTeams
19 2010 South Africa  Spain Netherlands Germany Uruguay         145              32
   MatchesPlayed Attendance
19            64  3.178.856
> print(max(data$winner))
[1] "Uruguay"
> |
```