Assignment No. -5

Aim :- Getting started with R installation R objects and basic statistics

*library*(readr)  
crop\_production<-*read.csv*("Crops.csv")  
*View*(crop\_production)  
  
*print*(*is.data.frame*(crop\_production))  
*print*(*ncol*(crop\_production))  
*print*(*nrow*(crop\_production))  
  
*# Read the dataset in header value 6  
head*(crop\_production)  
  
*# Max value of column year  
max*(crop\_production$Year,na.rm = TRUE)  
  
*# Min value of column year  
min*(crop\_production$Year,na.rm = TRUE)  
  
*# Mean of the column year  
mean*(crop\_production$Year,na.rm = TRUE)  
  
*# Create a one cr variable to store the datasets summary information*cr<-crop\_production  
*print*(cr)

Output:

[1] TRUE

[1] 7

[1] 10380

State Districts Year Season Crop Area Production

1 Maharashtra AHMEDNAGAR 2000 Kharif Arhar/Tur 19100 9400

2 Maharashtra AHMEDNAGAR 2000 Kharif Bajra 326100 187300

3 Maharashtra AHMEDNAGAR 2000 Kharif Castor seed 500 200

4 Maharashtra AHMEDNAGAR 2000 Kharif Cotton(lint) 15700 25600

5 Maharashtra AHMEDNAGAR 2000 Kharif Ragi 4800 4300

6 Maharashtra AHMEDNAGAR 2000 Kharif Rice 5500 3800

[1] 2014

[1] 2000

[1] 2006.504

State Districts Year Season Crop Area

1 Maharashtra AHMEDNAGAR 2000 Kharif Arhar/Tur 19100

2 Maharashtra AHMEDNAGAR 2000 Kharif Bajra 326100

3 Maharashtra AHMEDNAGAR 2000 Kharif Castor seed 500

4 Maharashtra AHMEDNAGAR 2000 Kharif Cotton(lint) 15700

5 Maharashtra AHMEDNAGAR 2000 Kharif Ragi 4800

6 Maharashtra AHMEDNAGAR 2000 Kharif Rice 5500

7 Maharashtra AHMEDNAGAR 2000 Kharif Sesamum 1100

8 Maharashtra AHMEDNAGAR 2000 Kharif Small millets 2700

9 Maharashtra AHMEDNAGAR 2000 Kharif Soyabean 7200

10 Maharashtra AHMEDNAGAR 2000 Whole Year Sugarcane 67100

11 Maharashtra AHMEDNAGAR 2001 Kharif Arhar/Tur 16700

12 Maharashtra AHMEDNAGAR 2001 Kharif Bajra 194400

13 Maharashtra AHMEDNAGAR 2001 Kharif Castor seed 200

14 Maharashtra AHMEDNAGAR 2001 Kharif Niger seed 2200

15 Maharashtra AHMEDNAGAR 2001 Kharif Other Kharif pulses 8900

16 Maharashtra AHMEDNAGAR 2001 Kharif Ragi 4600

17 Maharashtra AHMEDNAGAR 2001 Kharif Rice 7300

18 Maharashtra AHMEDNAGAR 2001 Kharif Sesamum 800

19 Maharashtra AHMEDNAGAR 2001 Kharif Small millets 1400

20 Maharashtra AHMEDNAGAR 2001 Kharif Soyabean 7600

Production

1 9400

2 187300

3 200

4 25600

5 4300

6 3800

7 200

8 1500z

9 6200

10 5163900

11 5400

12 82000

13 100

14 400

15 2200

16 7000

17 4100

18 300

19 900

20 9000