PERFORMING DATA MANUPULATION AND ANALYSIS ON INDIA'S AGRICULTURAL DATASET USING R

PROBLEM STATEMENTS:

1. Basic visual representations such as histograms, plots and curves(at least 5 methods in overall)

2. Factor the crop attribute and perform the base and user defined functions using tapply. (any 5 functions)

3. Write the new csv file for any specific 2 states information.

4. Print the basic data frame description structure functions on your dataset.

5. Count the number of NA values in a specific data frame column.

6. Get unique values from a specific feature.

7. Change more than one column name of a given data frame.

8. Drop row(s) and column from a given data frame.

9. To split and display a dataset based on factorized feature.

10. Add multiple rows and columns in the duplicated data frame.

11. Merge the 2 data frames (actual, duplicated with additional features) column/ row wise.

12. Write a new data frame which has common rows and columns from 2 data frames. (actual, duplicated with additional features)

13. Extract and display the state and district name data from actual dataset, highest values of following:
    i) Highest rainfall
    ii) Highest area
    iii) Highest yield

NOTE: The above operations would be performed without using "DPLYR"