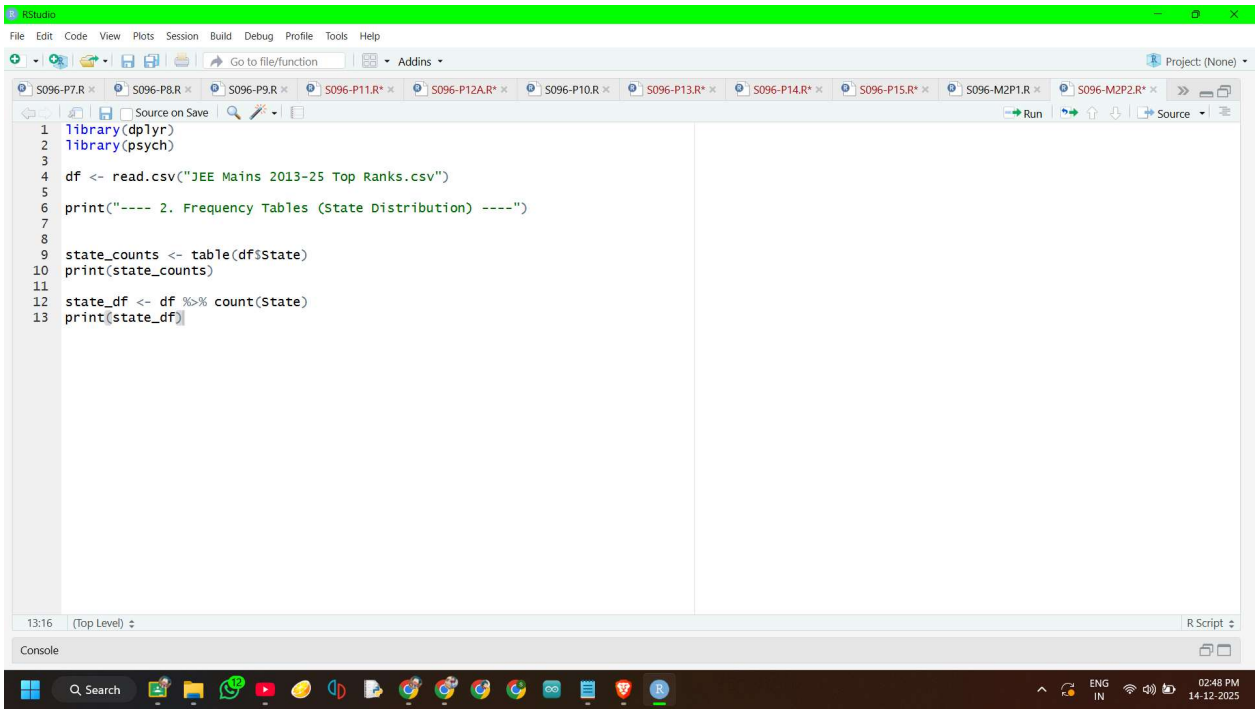
SHETH L.U.J. AND SIR M.V. COLLEGE
DATA ANALYSIS WITH R

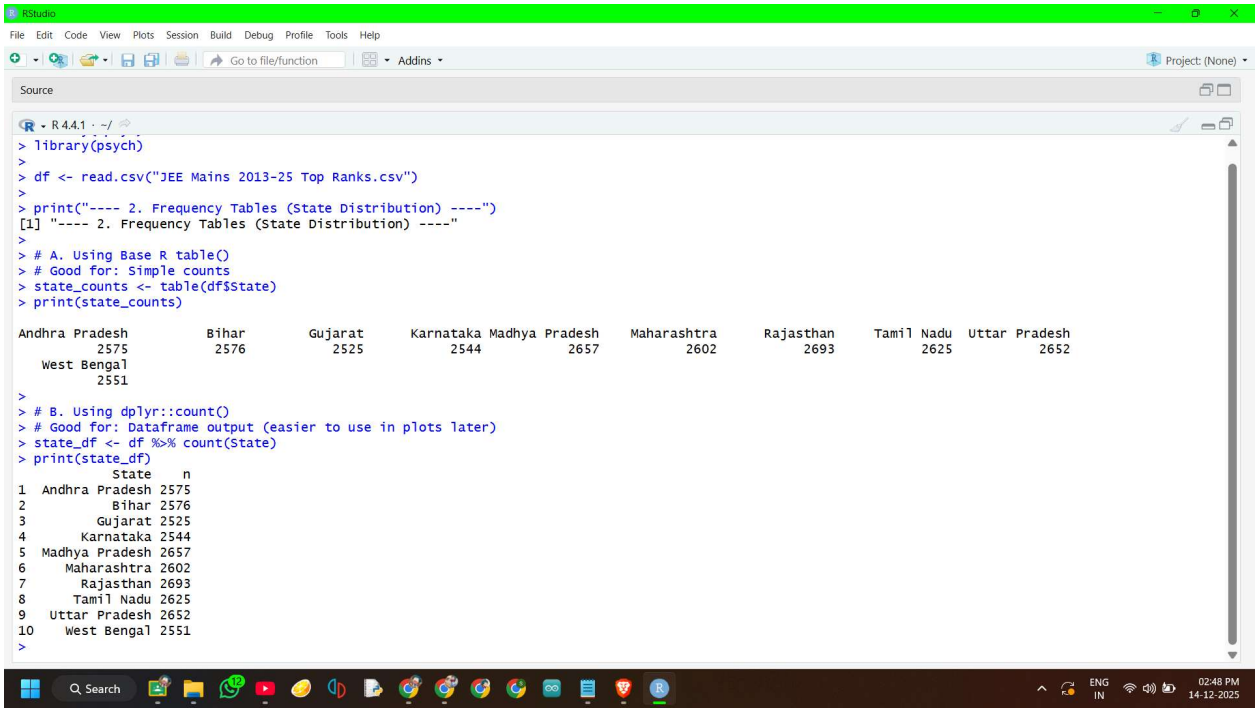
AIM: Generating frequency tables using table() or count() (R).

CODE:



```
library(dplyr)
library(psych)

df <- read.csv("JEE Mains 2013-25 Top Ranks.csv")

print("---- 2. Frequency Tables (State Distribution) ----")


state_counts <- table(df$State)
print(state_counts)

state_df <- df %>% count(State)
print(state_df)
```

OUTPUT:



```
> library(psych)
>
> df <- read.csv("JEE Mains 2013-25 Top Ranks.csv")
>
> print("---- 2. Frequency Tables (State Distribution) ----")
[1] "---- 2. Frequency Tables (State Distribution) ----"
>
> # A. Using Base R table()
> # Good for: Simple counts
> state_counts <- table(df$State)
> print(state_counts)

Andhra Pradesh          Bihar        Gujarat      Karnataka Madhya Pradesh    Maharashtra      Rajasthan      Tamil Nadu  Uttar Pradesh
          2575           2576           2525           2544           2657           2602           2693           2625           2652
   West Bengal
          2551
>
> # B. Using dplyr::count()
> # Good for: Dataframe output (easier to use in plots later)
> state_df <- df %>% count(State)
> print(state_df)
           State    n
1  Andhra Pradesh 2575
2           Bihar 2576
3         Gujarat 2525
4       Karnataka 2544
5  Madhya Pradesh 2657
6     Maharashtra 2602
7       Rajasthan 2693
8      Tamil Nadu 2625
9   Uttar Pradesh 2652
10    West Bengal 2551
>
```

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