

Sheth L.U.J & Sir M.V College Of Science
Subject :- Data Analysis with SAS/SPSS/R
Module 2 Practical no 2

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

```
> library(dplyr)
> df <- read.csv("tokopedia_product_reviews_2025.csv")
> rating_counts <- table(df$rating)
> print("Frequency Table: Product Ratings")
[1] "Frequency Table: Product Ratings"
> print(rating_counts)

  1    2    3    4    5 
547  251  802 2418 61525

> sentiment_counts <- table(df$sentiment)
> print("Frequency Table: Review Sentiment")
[1] "Frequency Table: Review Sentiment"
> print(sentiment_counts)

negative neutral positive
 798     802   63943

> verified_counts <- table(df$sverified_purchase)
> print("Frequency Table: Verified Purchase Status")
[1] "Frequency Table: Verified Purchase Status"
> print(verified_counts)
<table of extent 0>
> rating_df <- df %>% count(rating)
> print("Rating Frequency (Data Frame Format)")
[1] "Rating Frequency (Data Frame Format)"
> print(rating_df)

  rating   n
1       1 547
2       2 251
3       3 802
4       4 2418
5       5 61525

> sentiment_df <- df %>% count(sentiment)

Error in `count()`:
! Must group by variables found in `.data`.
✖ Column `sentiment` is not found.
Run `rlang::last_trace()` to see where the error occurred.

> print("Sentiment Frequency (Data Frame Format)")
[1] "Sentiment Frequency (Data Frame Format)"


```

```
[1] "Sentiment Frequency (Data Frame Format)" 
> print(sentiment_df)

Error: object 'sentiment_df' not found

> verified_df <- df %>% count(verified_purchase)

Error in `count()`:
! Must group by variables found in `.data`.
✖ Column `verified_purchase` is not found.
Run `rlang::last_trace()` to see where the error occurred.

> print("Verified Purchase Frequency (Data Frame Format)")
[1] "Verified Purchase Frequency (Data Frame Format)"
> print(verified_df)

Error: object 'verified_df' not found

> rating_prop <- prop.table(rating_counts)
> print("Proportion Table: Product Ratings")
[1] "Proportion Table: Product Ratings"
> print(rating_prop)

  1    2    3    4    5 
0.008345666 0.003829547 0.012236242 0.036891811 0.938696733

> sentiment_prop <- prop.table(sentiment_counts)
> print("Proportion Table: Review Sentiment")
[1] "Proportion Table: Review Sentiment"
> print(sentiment_prop)

negative neutral positive
0.01217521 0.01223624 0.97558854

> verified_prop <- prop.table(verified_counts)
> print("Proportion Table: Verified Purchase")
[1] "Proportion Table: Verified Purchase"
> print(verified_prop)
numeric(0)


```

Name :- Vinod Mali
Roll No :- S092