

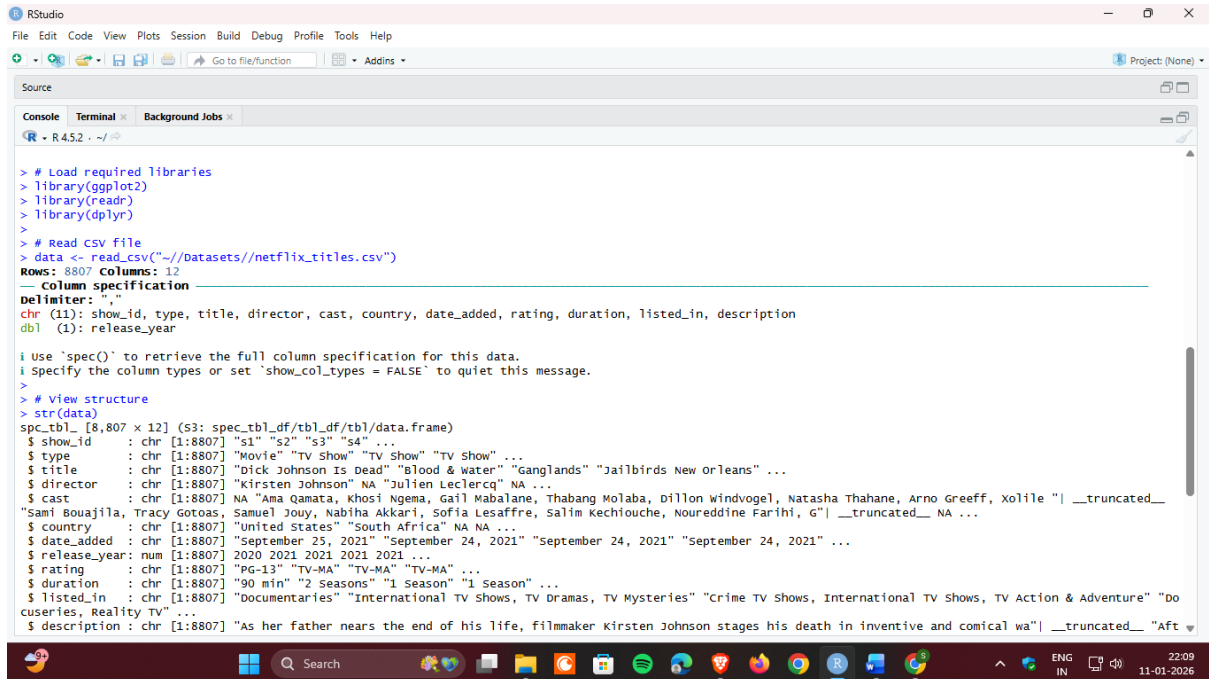
# SHETH L.U.J AND SIR M.V. COLLEGE

## SUBJECT :- DATA ANALYSIS OF SAS/SPSS/R

### PRACTICAL – 10

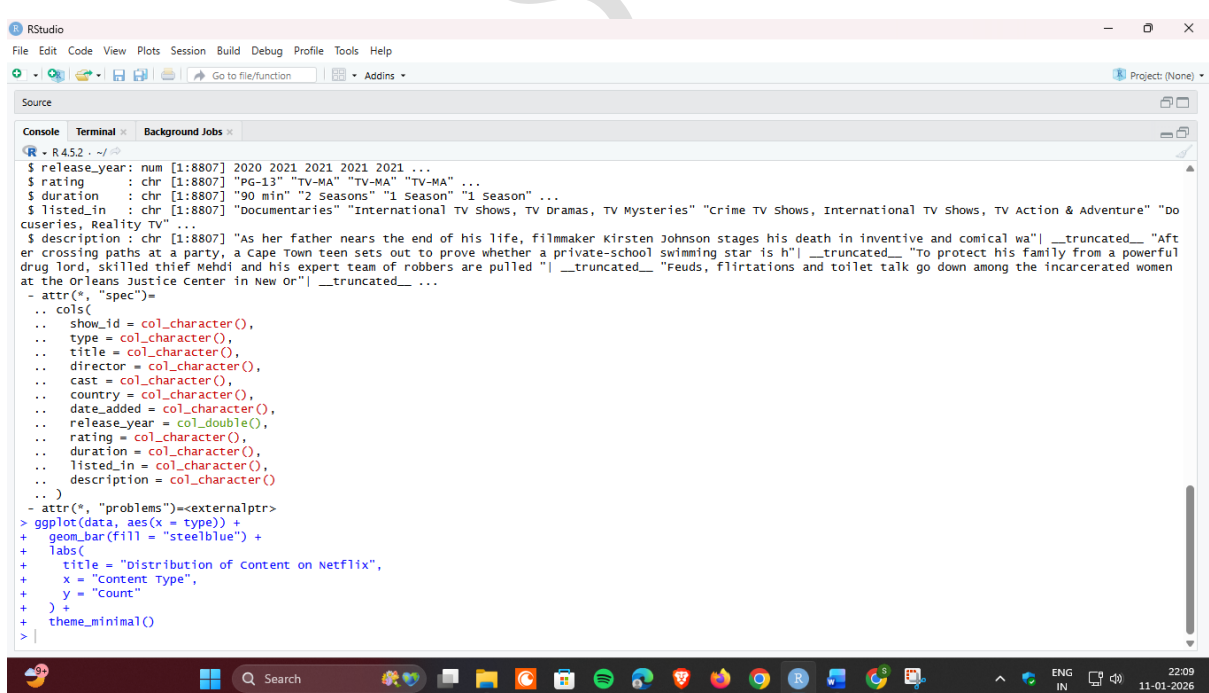
**AIM:-** Creating graphical reports using ,ggplot2 (R).

**OUTPUT:-**



```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Source
Console Terminal Background Jobs
R - R 4.5.2 - ~/R
> # Load required libraries
> library(ggplot2)
> library(readr)
> library(dplyr)
>
> # Read CSV file
> data <- read_csv("~/Datasets/netflix_titles.csv")
Rows: 8807 Columns: 12
-- Column specification
Delimiter: ,
chr (11): show_id, type, title, director, cast, country, date_added, rating, duration, listed_in, description
dbl (1): release_year

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
>
> # View structure
> str(data)
spec_tbl_ [8,807 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
 $ show_id      : chr [1:8807] "s1" "s2" "s3" "s4" ...
 $ type         : chr [1:8807] "Movie" "TV Show" "TV Show" "TV Show" ...
 $ title        : chr [1:8807] "Dick Johnson Is Dead" "Blood & Water" "Ganglands" "Jailbirds New Orleans" ...
 $ director     : chr [1:8807] "Kirsten Johnson" NA "Julien Leclercq" NA ...
 $ cast         : chr [1:8807] NA "Ama Qamata, Khosi Ngema, Gail Mablane, Thabang Molaba, Dillon Windvogel, Natasha Thahane, Arno Greeff, Xolile" |__truncated__
 $ country      : chr [1:8807] NA "Ama Qamata, Khosi Ngema, Gail Mablane, Thabang Molaba, Dillon Windvogel, Natasha Thahane, Arno Greeff, Xolile" |__truncated__ NA ...
 $ date_added   : chr [1:8807] "September 25, 2021" "September 24, 2021" "September 24, 2021" "September 24, 2021" ...
 $ release_year : num [1:8807] 2020 2021 2021 2021 2021 ...
 $ rating       : chr [1:8807] "PG-13" "TV-MA" "TV-MA" "TV-MA" ...
 $ duration     : chr [1:8807] "90 min" "2 Seasons" "1 Season" "1 Season" ...
 $ listed_in    : chr [1:8807] "Documentaries" "International TV Shows, TV Dramas, TV Mysteries" "Crime TV Shows, International TV Shows, TV Action & Adventure" "Do
 cuseries, Reality TV" ...
 $ description  : chr [1:8807] "As her father nears the end of his life, filmmaker Kirsten Johnson stages his death in inventive and comical wa" |__truncated__ "Aft
```



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Source
Console Terminal Background Jobs
R - R 4.5.2 - ~/R
$ release_year: num [1:8807] 2020 2021 2021 2021 2021 ...
$ rating      : chr [1:8807] "PG-13" "TV-MA" "TV-MA" "TV-MA" ...
$ duration    : chr [1:8807] "90 min" "2 Seasons" "1 Season" "1 Season" ...
$ listed_in   : chr [1:8807] "Documentaries" "International TV Shows, TV Dramas, TV Mysteries" "Crime TV Shows, International TV Shows, TV Action & Adventure" "Do
 cuseries, Reality TV" ...
$ description : chr [1:8807] "As her father nears the end of his life, filmmaker Kirsten Johnson stages his death in inventive and comical wa" |__truncated__ "Aft
 er crossing paths at a party, a Cape Town teen sets out to prove whether a private-school swimming star is h" |__truncated__ "To protect his family from a powerful
 drug lord, skilled thief Mehdi and his expert team of robbers are pulled " |__truncated__ "Feuds, flirtations and toilet talk go down among the incarcerated women
 at the Orleans Justice Center in New Or" |__truncated__ ...
- attr(*, "spec")=
 .. cols(
 .. show_id = col_character(),
 .. type = col_character(),
 .. title = col_character(),
 .. director = col_character(),
 .. cast = col_character(),
 .. country = col_character(),
 .. date_added = col_character(),
 .. release_year = col_double(),
 .. rating = col_character(),
 .. duration = col_character(),
 .. listed_in = col_character(),
 .. description = col_character()
 .. )
- attr(*, "problems")=<externalptr>
> ggplot(data, aes(x = type)) +
+   geom_bar(fill = "steelblue") +
+   labs(
+     title = "Distribution of content on Netflix",
+     x = "Content Type",
+     y = "Count"
+   ) +
+   theme_minimal()
>
```

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**S124**

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