

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

SUBJECT :- DATA ANALYSIS WITH SAS/SPSS/R

PRACTICAL – 10

AIM:- Creating new variables using transformations and calculations in R.
import dataset.

OUTPUT:-

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Source

Console Terminal Background Jobs

R + R4.5.2 ~/

```
R - A city of coaching centers known to train India's finest corollaries, an earnest but unexceptional student and his friends navigate campus life. The arrival of a charismatic young priest brings glorious miracles, ominous mysteries and renewed religious fervor to a dying town desperate to believe.
```

```
> df_clean <- df %>
+   mutate(
+     director = replace_na(director, "unknown Director"),
+     cast = replace_na(cast, "unknown Cast"),
+     country = replace_na(country, "unknown Country"),
+     rating = replace_na(rating, "Not Rated")
+   )
>

> print("--- Cleaned Data ---")
[1] "--- Cleaned Data ---"
> print(head(df_clean))
#> #> #> #> #> #>
show_id type title director
1 s1 Movie Dick Johnson is Dead Kirsten Johnson
2 s2 TV Show Blood & Water Unknown Director
3 s3 TV Show Ganglands Julien LeClercq
4 s4 TV Show Jailbirds New Orleans Unknown Director
5 s5 TV Show Kota Factory Unknown Director
6 s6 TV Show Midnight Mass Mike Flanagan

cast
1
Unknown Cast
2 Ama Qamata, Khosi Ngema, Gail Mabalane, Thabang Molaba, Dillon Windvogel, Natasha Thahane, Arno Greeff, Xolile Tshabalala, Getmore Sithole, Cindy Mahlangu, Ryle De Morny, Gretell Fincham, Sello Maake Ka-Ncube, Odwa Gwanya, Mekaila Mathys, Sandi Schultz, Duane Williams, Shamilla Miller, Patrick Mofokeng
3
Bouajila, Tracy Gotoas, Samuel Jouy, Nabiha Akbari, Sofia Lesaffre, Salim Kechiouche, Noureddine Farihi, Geert van Rampelberg, Bakary Diombera
4
Unknown Cast
5
Mayur More, Jitendra Kumar, Ranjan Raj, Alam Khan, Ahsaas Channa, Revathi Pillai, Urvi Singh, Arun Kumar
6
Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloya
n, Igby Rigney, Rahul Kohli, Annarah Cymone, Annabeth Gish, Alex Essoe, Rahul Abburi, Matt Biedel, Michael Trucco, Crystal Balint, Louis Oliver
```

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```
R - R 4.5.2 - ~\r
+ )
>
> print(" --- Method C: Text Transformation ---")
[1] " --- Method C: Text Transformation ---"
> print(head(df_text$summary))
[1] "# Dick Johnson Is Dead - Movie | Country: United States | Rating: PG-13"
[3] "# Ganglands - TV Show | Country: Unknown Country | Rating: TV-MA"
[5] "# Kota Factory - TV Show | Country: India | Rating: TV-MA"
>
> # 5. FINAL WORKFLOW (All Together)
> final_dataset <- df_clean %>%
+   mutate(
+     Content_Age = 2025 - release_year,
+     Era = case_when(
+       Content_Age > 20 ~ "old",
+       Content_Age > 10 ~ "Modern",
+       TRUE ~ "Recent"
+     ),
+     Summary = paste0(
+       title, " | ", country,
+       " | Released: ", release_year,
+       " | Age: ", Content_Age,
+       " | ", rating
+     )
+   )
>
> print(" --- Final Combined dataset ---")
[1] " --- Final Combined dataset ---"
> print(head(final_dataset))
show_id type title director
1 s1 Movie Dick Johnson Is Dead Kirsten Johnson
2 s2 TV Show Blood & Water Unknown Director
3 s3 TV Show Ganglands Julian LeClercq
4 s4 TV Show Jailbirds New Orleans Unknown Director
"Blood & Water - TV Show | Country: South Africa | Rating: TV-MA"
"Jailbirds New Orleans - TV Show | Country: Unknown Country | Rating: TV-MA"
"Midnight Mass - TV show | Country: Unknown Country | Rating: TV-MA"
```

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```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
+ - Go to File/Function Addins Project: (None)
Source
Console Terminal Background Jobs
R > R 4.5.2 - ~/ ~
3 s3 TV Show Ganglands Julien Leclercq
4 s4 TV Show Jailbirds New Orleans Unknown Director
5 s5 TV Show Kota Factory Unknown Director
6 s6 TV Show Midnight Mass Mike Flanagan

cast
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n, Igby Rigney, Rahul Kohli, Annarach Cymone, Annabeth Gish, Alex Essoe, Rahul Abburi, Matt Biedel, Michael Trucco, Crystal Balint, Louis Oliver
country date_added release_year rating duration listed_in
1 United States September 25, 2021 2020 PG-13 90 min Documentaries
2 South Africa September 24, 2021 2021 TV-MA 2 Seasons International TV Shows, TV Dramas, TV Mysteries
3 Unknown Country September 24, 2021 2021 TV-MA 1 Season Crime TV Shows, International TV Shows, TV Action & Adventure
4 Unknown Country September 24, 2021 2021 TV-MA 1 Season Docuseries, Reality TV
5 India September 24, 2021 2021 TV-MA 2 Seasons International TV Shows, Romantic TV Shows, TV Comedies
6 Unknown Country September 24, 2021 2021 TV-MA 1 Season TV Dramas, TV Horror, TV Mysteries

description
1 As her father nears the end of his life, filmmaker Kirsten Johnson stages his death in inventive and comical ways to help them both face the inevitable.
2 After crossing paths at a party, a Cape Town teen sets out to prove whether a private-school swimming star is her sister who was abducted at birth.
3 To protect his family from a powerful drug lord, skilled thief Mehdi and his expert team of robbers are pulled into a violent and deadly turf war.
4 Feuds, flirtations and toilet talk go down among the incarcerated women at the Orleans Justice Center in New Orleans on this gritty reality series.
5 In a city of coaching centers known to train India's finest collegiate minds, an earnest but unexceptional student and his friends navigate campus life.
6 The arrival of a charismatic young priest brings glorious miracles, ominous mysteries and renewed religious fervor to a dying town desperate to believe.

Content_Age Era Summary
1 5 Recent Dick Johnson Is Dead | United States | Released: 2020 | Age: 5 | PG-13

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ENG IN 01-12-2025
```

```
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1 5 Recent Dick Johnson Is Dead | United States | Released: 2020 | Age: 5 | PG-13
2 4 Recent Blood & Water | South Africa | Released: 2021 | Age: 4 | TV-MA
3 4 Recent Ganglands | Unknown Country | Released: 2021 | Age: 4 | TV-MA
4 4 Recent Jailbirds New Orleans | Unknown Country | Released: 2021 | Age: 4 | TV-MA
5 4 Recent Kota Factory | India | Released: 2021 | Age: 4 | TV-MA
6 4 Recent Midnight Mass | Unknown Country | Released: 2021 | Age: 4 | TV-MA

> |
```

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ENG IN 01-12-2025