

PRACTICAL NO 13

AIM: Identifying and handling duplicates using distinct() (R).

The screenshot shows the RStudio interface. The left pane displays an R script with code for reading a dataset, identifying duplicates, and removing exact duplicates. The right pane shows the file browser with various R files and documents.

```
R > R 4.5.2 - ./r
> library(dplyr)
>
> enroll_df <- data.frame(
+   EnrollmentID = c(201, 202, 202, 203, 204, 201, 205),
+   Student = c("Ayaan", "Neha", "Neha", "Aquib", "Simran", "Ayaan", "Simran"),
+   Course = c("Python", "Java", "Java", "ML", "Python", "Python", "C++")
+ )
>
> print("---- Original Dataset (with duplicates) ----")
[1] "---- Original Dataset (with duplicates) ----"
> print(enroll_df)
EnrollmentID Student Course
1 201 Ayaan Python
2 202 Neha Java
3 202 Neha Java
4 203 Aquib ML
5 204 Simran Python
6 201 Ayaan Python
7 205 Simran C++
> duplicates_report <- enroll_df %>%
+ group_by(EnrollmentID, student, course) %>%
+ count() %>%
+ filter(n > 1)
>
> print("---- Duplicate Rows Identified ----")
[1] "---- Duplicate Rows Identified ----"
> print(duplicates_report)
# #> #> #> #> #> #>
# Groups: EnrollmentID, Student, Course [2]
EnrollmentID Student Course n
<dbl> <chr> <chr> <int>
1 201 Ayaan Python 2
2 202 Neha Java 2
> clean_exact <- enroll_df %>%
+ filter(n == 1)
>
> print("---- After Removing Exact Duplicates ----")
[1] "---- After Removing Exact Duplicates ----"
> print(clean_exact)
EnrollmentID Student Course
1 201 Ayaan Python
2 202 Neha Java
3 203 Aquib ML
4 204 Simran Python
5 205 Simran C++
```

Environment

- starts_with_t
- student_health_a
- student_health_b
- tips
- tips_data
- titanic
- Titanic_Dataset
- titanic_no_na
- train
- unique_students

History

- Global Environment

Connections

- Import Dataset

Tutorial

Files

- New Folder
- New File
- Delete
- Rename
- More

Plots

Packages

Help

Viewer

Presentation

Home

- teast.py
- test.sql
- time series data.csv
- time.py
- tips.csv
- Titanic-Dataset.csv
- TOC qb soin.pdf
- Topaz VideoAI Projects
- train.csv
- userlog.sql
- Vishwanathan_Anand.docx
- practical 11.R
- student_health_b.csv
- student_health_a.csv
- practical 12.R
- practical 13.R
- practical 14.R
- practical 15.R

Size

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