

SHETH L.U.J AND SIR M.V. COLLEGE
SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R

Module 1 Practical 14

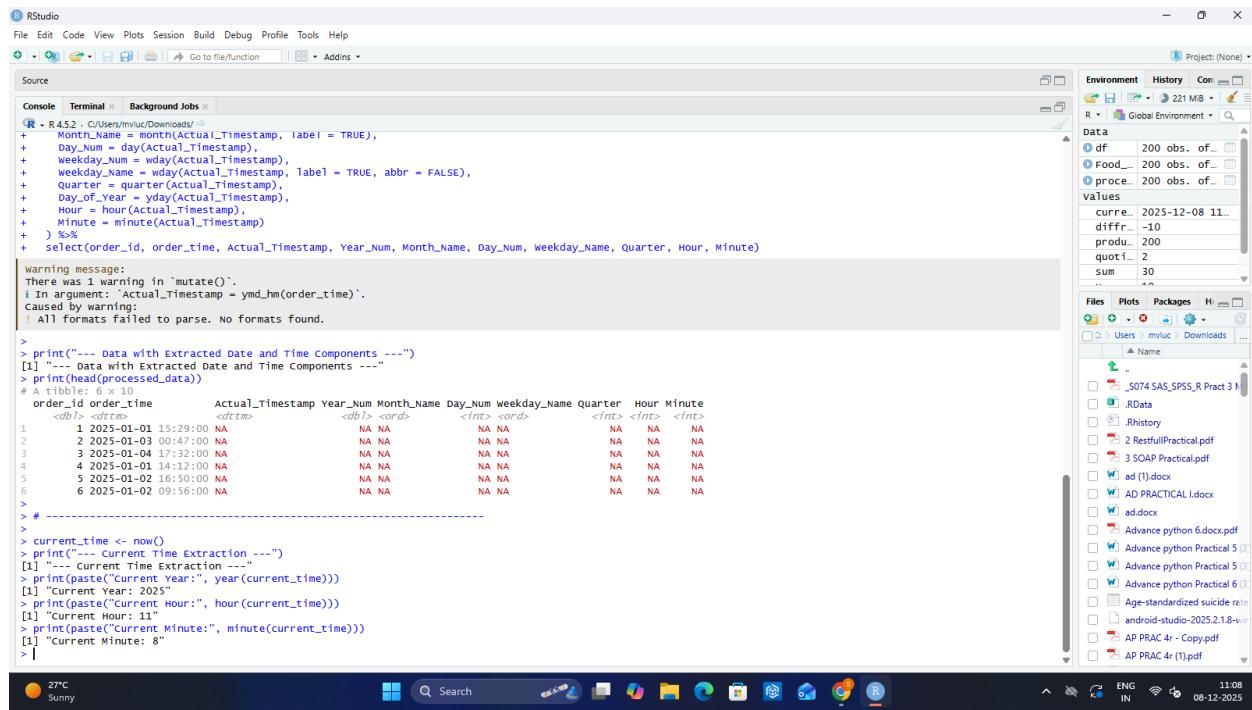
Aim: Extracting date components using lubridate:: functions (R).

OUTPUT:

The screenshot shows an RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Source Editor:** Displays R code and its output. The session starts with loading the 'lubridate' package, followed by 'dplyr'. Both packages are attached, and their respective masked objects from 'base' are listed.
- Environment View:** Shows the global environment with objects like 'df', 'Food...', 'proc...', 'current_date', 'diff...', 'product', 'quot...', and 'sum'.
- Files View:** Shows a file tree with various files including 'S074 SAS_SPSS_R Pract 3.R', 'RData', 'History', and several PDFs related to practical sessions.
- Bottom Status Bar:** Shows system information including temperature (27°C), battery level (11%), and system status (IN).

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The screenshot shows an RStudio interface with the following details:

- Console:** Displays R code and its output. The code involves extracting date and time components from a timestamp column. It includes calculations for month, day, weekday, quarter, hour, and minute, and then selects specific columns from the resulting data frame.
- Data View:** Shows a data frame with 200 rows and 8 columns. The columns are: order_id, order_time, Actual_Timestamp, Year_Num, Month_Name, Day_Num, weekday_Name, Quarter, Hour, Minute. The data consists of various dates and times, mostly showing 'NA' for most fields except for the timestamp itself.
- Environment View:** Lists global variables: df (200 obs. of 8), Food_ (200 obs. of 8), proce_ (200 obs. of 8), curr_ (2025-12-08 11...), diff_ (-10), produ_ (200), quot_ (2), sum (30).
- Files View:** Shows a directory structure under 'Users/mvlic/Downloads': .S074 SAS_SPSS_R Pract 3 N, RData, .Rhistory, 2 RestfullPractical.pdf, 3 SOAP Practical.pdf, ad (1).docx, AD PRACTICAL 1.docx, ad.docx, Advance python 6.docx.pdf, Advance python Practical 5 (3), Advance python Practical 5 (3), Advance python Practical 6 (3), Age-standardized suicide rate, android-studio-2025.2.1.8-win, AP PRAC 4r - Copy.pdf, AP PRAC 4r (1).pdf.