

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

Aim:- Performing paired t-tests using `t.test(paired=TRUE)` (R).

The screenshot shows the RStudio interface with the following details:

- Console Tab:** Displays R code and its output. The code reads a CSV file "ai\_vs\_human\_dataset\_medium.csv" and performs a paired t-test on the length of words and characters. The output shows a p-value of 0.04483815, indicating statistical significance.
- Environment Tab:** Shows a list of objects in the global environment, including datasets like "high\_cost\_low\_occ", "high\_cost\_not\_se", "high\_salary", etc., and functions like "industry\_filter" and "paired\_t\_test".
- File Explorer:** Shows a directory structure with files like "real\_drug\_dataset.csv", "S093\_CHETAN\_MANDAVKAR FEATURE ENGINEERING SUBMISSION - Colab.ipynb", and various documents and CSV files.
- Bottom Status Bar:** Shows system information including battery level (Air Poor), search bar, taskbar icons, and system date/time (15-12-2025).

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SUBJECT:- Data Analysis With SAS / SPSS / R