

MVLU COLLEGE
R PRACTICAL 6 MODULE 2

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

The screenshot displays the RStudio interface with the following components:

- Source Editor:** Contains R code for loading the `dplyr` library, reading a CSV file, cleaning data, and performing a paired t-test. The code includes comments and variable assignments like `df$runs <- as.numeric(df$runs)`.
- Console:** Shows the output of the R code, including the head of the data frame and the results of the paired t-test. The t-test results indicate a p-value less than 2.2e-16, suggesting a significant difference.
- Environment:** Lists the objects in the environment, including `df` and `t_test_paired`.
- Files:** A file explorer showing the project directory structure, including folders like `Custom Office Templates` and `FeedbackHub`.

The console output for the paired t-test is as follows:

```
Paired t-test
data: df$runs and df$bf
t = 20.921, df = 105, p-value < 2.2e-16
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 32.64641 39.48566
sample estimates:
mean difference
 36.06604
```

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