

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

Subject: Data Analysis with SAS / SPSS /R

## Practical no. 7

Aim: Performing one-way ANOVA using aov() (R).

Outputs→

The screenshot shows the RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Code Editor:** Contains R code for loading a dataset and performing a one-way ANOVA. The output shows the ANOVA table and the decision based on the p-value.
- Environment Tab:** Shows the global environment with variables like avg\_dist, avg\_time, cross\_tab, p\_gender, p\_interaction, p\_occupation, and p\_val.
- Files Tab:** Shows a list of files in the current directory, including flower\_dataset - flower\_dataset.csv, Iris - Iris.csv, NetBeansProjects, penguins.csv, pushpal, pushpal prac, retail\_store\_sales.csv, sales\_data.csv, sales\_dataset.csv, sgfd05m.ini, shopping\_behavior\_updated.csv, Virtual Machines, Updated Quality of Life.csv, medical\_cost\_prediction\_dataset.csv, and context\_master.csv.
- System Status Bar:** Shows the date (21-12-2025), time (15:49), and system status (ENG IN).