

# Sheth L.U.J. And Sir M.V. College


## Performing one-way ANOVA using aov() (R).

Output:-

```
>
>
> ilpd <- read.csv("Indian Liver Patient Dataset (ILPD).csv")
> ilpd$gender <- as.factor(ilpd$gender)
> anova_model <- aov(tot_bilirubin ~ gender, data = ilpd)
> summary(anova_model)
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
gender	1	179	178.92	4.669	0.0311 *
Residuals	581	22262	38.32		

---  
Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
>  
>



The screenshot shows a file explorer window with a list of files and folders. The files include 'titanic\_submission.csv' (2.8 KB, Dec 1, 2025, 12:27 PM), 'tmdb\_5000\_movies.csv' (5.4 MB, Dec 1, 2025, 10:57 AM), 'utils.js' (497 B, Nov 21, 2025, 2:14 PM), 'Virtual Machines' (folder), 'wine\_dataset.csv' (11.2 KB, Nov 24, 2025, 12:45 PM), 'youtube.csv' (18.3 KB, Dec 1, 2025, 10:45 AM), 'Practical\_No\_7M2.R' (189 B, Jan 5, 2026, 9:44 AM), 'cars.csv' (7.2 MB, Jan 5, 2026, 9:42 AM), 'countries.csv' (22 KB, Jan 5, 2026, 9:36 AM), and 'Indian Liver Patient Dataset (ILPD).csv' (23.3 KB, Jan 5, 2026, 9:35 AM). The taskbar at the bottom shows the Windows Start button, File Explorer, Google Chrome, and the R logo. The system tray on the right shows 'ENG IN', signal icons, and the time '9:48 AM 1/5/2026'.

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Subject:- Data Analysis With SAS / SPSS / R