

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

```

1 print("Name: S126 Hariprasad")
2
3 # 1. Manually select your csv file from your computer
4 # This opens a file explorer window. Locate your file and click 'open'.
5 data <- read.csv(file.choose())
6
7 # 2. Perform the one-way ANOVA
8 # Formula format: numeric_variable ~ categorical_variable
9 anova_result <- aov(Runs ~ Against, data = data)
10
11 # 3. View the ANOVA summary table
12 summary(anova_result)
13
14 # 4. Preview the first few rows of the data
15 head(data)
16

```

```

> print("Name: S126 Hariprasad")
[1] "Name: S126 Hariprasad"
> # 1. Manually select your csv file from your computer
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> data <- read.csv(file.choose())
> # 2. Perform the one-way ANOVA
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> anova_result <- aov(Runs ~ Against, data = data)
> # 3. View the ANOVA summary table
> summary(anova_result)
          Df Sum Sq Mean Sq F value Pr(>F)
Against    9   3172    453.1    1.666  0.126
Residuals  98  26649    271.9
> # 4. Preview the first few rows of the data
> head(data)
   Pos Player Runs BF four six Against venue match.date
1    1  KL Rahul   51  14   6    4    DC   IS Bindra Stadium 08-Apr-18
2    2  Ishan Kishan  62  17   5    6   KKR   Eden Gardens   09-May-18
3    3  Sunil Narine  50  17   4    5   RCB   Eden Gardens   08-Apr-18
4    4  Jos Buttler  67  18   4    7    DC  Arun Jaitley Stadium 02-May-18
5    5  Sam Billings  56  21   2    5   KKR   Chidambaram  10-Apr-18
6    6  KL Rahul   66  22   2    7   KKR  Holkar cricket Stadium 12-May-18

```

Environment

Object	Type
anova_model	List of 13
anova_result	List of 13
cricket_data	10 obs. of 9 variables
data	106 obs. of 9 variables
model	List of 13