

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

SUBJECT :- DATA ANALYSIS OF SAS/SPSS/R

PRACTICAL – 10

AIM:- Generating histograms and box plots using ggplot2 (R).

OUTPUT:-

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins Project: (None)
Source
Console Terminal Background Jobs
R - R 4.5.2 - ~/
> library(ggplot2)
> library(readr)
>
> team_data <- read_csv("C:\\Users\\Rohit\\OneDrive\\documents\\Datasets\\TeamMatchB1.csv")
Rows: 35045 Columns: 24
Column specification
Delimiter: "
chr (1): MatchId
dbl (23): TeamID, B1Champ, B2Champ, B3Champ, B4Champ, B5Champ, R1Champ, R2Champ, R3Champ, R4Champ, R5Champ, BlueBaronKills, B1...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
>
> # Histogram of Blue Team Kills
> ggplot(team_data, aes(x = BlueKills)) +
+   geom_histogram(binwidth = 5, fill = "skyblue", color = "black") +
+   labs(
+     title = "Histogram of Blue Team Kills",
+     x = "Number of Kills (Blue Team)",
+     y = "Frequency"
+   ) +
+   theme_minimal()
>
> # Box Plot of Blue Team Kills
> ggplot(team_data, aes(y = BlueKills)) +
+   geom_boxplot(fill = "lightgreen") +
+   labs(
+     title = "Box Plot of Blue Team Kills",
+     y = "Number of Kills (Blue Team)"
+   ) +
+   theme_minimal()
>
```

