



Progressive Education Society's
Modern College of Engineering, Shivajinagar, Pune-05.
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)
Department of MCA

PRACTICAL SUBMISSION RECORD- A.Y. 2025-26

Class: SYMCA Division : A Semester: III	Course Code: MCA01604 Course Name: Data Science Laboratory	Batch: S2
Name: Pranav Raju Malwatkar		Roll No: 52037
CO No: CO605.2		Assignment No: 13

Title : Use the data set “mtcars” and create boxplot for “mpg” and “cyl” columns

Code:

```
# Load ggplot2 library
library(ggplot2)
```

```
# Create ggplot boxplot
ggplot(mtcars, aes(x = factor(cyl), y = mpg, fill = factor(cyl))) +
  geom_boxplot(color = "black") +
  labs(title = "Boxplot of MPG by Number of Cylinders",
       x = "Number of Cylinders",
       y = "Miles Per Gallon (MPG)") +
  scale_fill_brewer(palette = "Set2") +
  theme_minimal(base_size = 12)
```

Output :



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