



**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**

<b>Class: SYMCA Division : A</b> <b>Semester: III</b>	<b>Course Code: MCA01604</b> <b>Course Name: Data Science Laboratory</b>	<b>Batch: S2</b>
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<b>CO No: CO605.2</b>	<b>Assignment No: 13</b>	

**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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**Boxplot of MPG by Number of Cylinders**

