

SESSION 7: Basic Statistics

Assignment 2

Problem Statement

1. Write a program to create barplots for all the categorical columns in mtcars.

```
with(mtcars, barplot(table(vs, am), beside = TRUE))
```

```
with(mtcars, barplot(ftable(vs, am, gear), beside = TRUE))
```

2. Create a scatterplot matrix by gear types in mtcars dataset.

```
library(ggplot2)
```

```
ggplot(mtcars, aes(x = drat, y = gear)) +
```

```
  geom_point()
```

3. Write a program to create a plot density by class variable.

```
ggplot(diamonds, aes(cut)) + geom_bar(fill = "#0073C2FF") +  
  theme_pubclean()
```