



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: 11	

Title Create Bar Chart-Stacked taking x axis as Month and Y axis as Revenue and add

Legend

colors <- c(""green","orange","brown")

months <-

c(""Mar","Apr","May","Jun","Jul"

t;)

regions <- c(""East","West","North")

Code:

Define data

colors <- c("green", "orange", "brown")

months <- c("Mar", "Apr", "May", "Jun", "Jul")

regions <- c("East", "West", "North")

Create sample revenue data (you can replace with real values)

revenue_data <- matrix(

c(12, 14, 16, 18, 20, # East

10, 13, 15, 17, 19, # West

8, 11, 14, 16, 18), # North

nrow = length(regions),

byrow = TRUE

)

Create stacked bar chart

barplot(revenue_data,

beside = FALSE, # Stacked bars

col = colors, # Colors for each region

names.arg = months, # X-axis labels

xlab = "Month",

ylab = "Revenue",

main = "Stacked Bar Chart: Monthly Revenue by Region",



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```
legend.text = regions,      # Add legend  
args.legend = list(x = "topright", inset = 0.05, title = "Region"))
```

```
# Optional: Add grid lines  
grid(nx = NA, ny = NULL)Output :
```

File History Resize

Stacked Bar Chart: Monthly Revenue by Region

