# CAMPUS RECRUITMENT ANALYSIS IN R

The campus recruitment data analysis and visualization project in R is aimed at exploring and analyzing a dataset related to campus placements. The dataset contains various attributes of students, including their academic background, performance in various examinations, work experience, and their employment status. The project involves preprocessing and cleaning the data, analyzing various patterns and trends in the data, and visualizing the results using various graphs and plots.

The project includes several steps, including data cleaning, data exploration, data analysis, and data visualization. In the data cleaning phase, missing values and outliers are handled, and the data is prepared for further analysis. In the data exploration phase, various attributes of the dataset are analyzed to identify patterns and trends. In the data analysis phase, statistical and machine learning techniques are applied to the dataset to extract insights and identify correlations between different variables. Finally, in the data visualization phase, the results are visualized using various graphs and plots, such as scatter plots, bar charts, histograms, and box plots.

In conclusion, the project provide insights into the factors that affect campus placements and identify the attributes that are critical for students to secure jobs in top companies. The project also aims to explore the gender gap in campus placements and identify ways to bridge the gap. The project is useful for students, placement officers, and recruitment teams to understand the factors that affect campus placements and make informed decisions about their career

# CODE:

library(ggplot2)

location <- "C:\\Users\\Asus\\Downloads\\Placement\_Data\_Full\_Class.csv"

placementgg <- read.csv(location)

head(placementgg)

colnames(placementgg)

str(placementgg)

#graph1

b1 <- ggplot(placementgg, aes(x= ssc\_p, y = hsc\_p))

b1 + geom\_point(aes(color = status))

#graph2

b2 <- ggplot(placementgg, aes(degree\_t))

b2 + geom\_bar(aes(fill = degree\_t))

#graph3

b3 <- ggplot(placementgg, aes(degree\_p))

b3 + geom\_histogram(aes(fill = status), binwidth = 5) + facet\_wrap(~gender)

#graph4

ggplot(placementgg) + geom\_density(aes(etest\_p, fill = degree\_t))

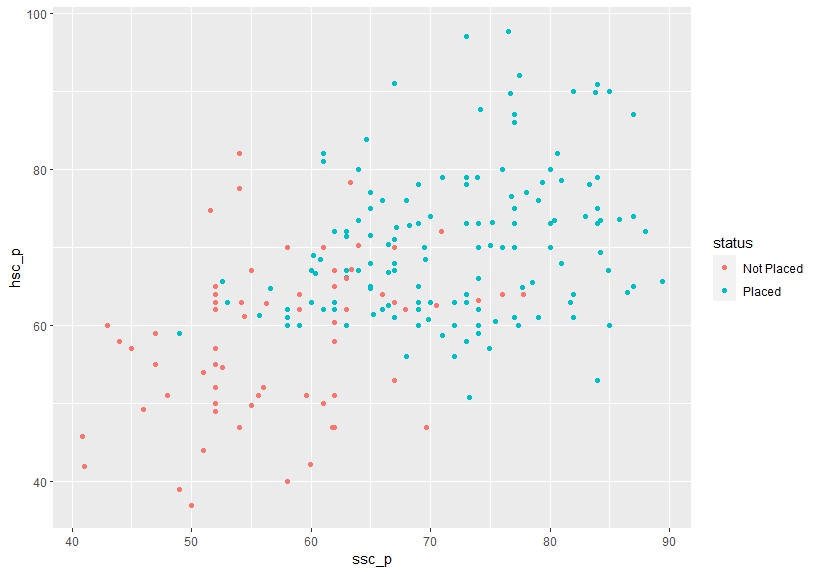
#graph5

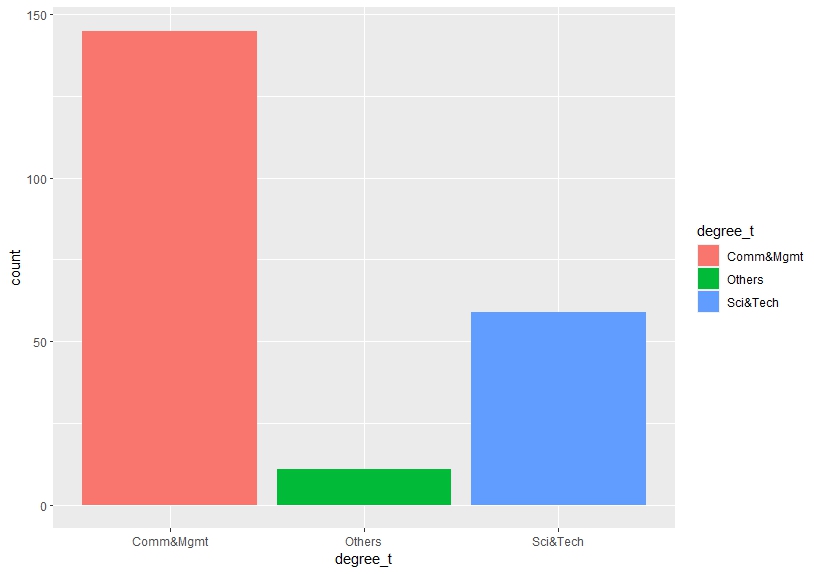
b4 <- ggplot(placementgg, aes(y = hsc\_p))

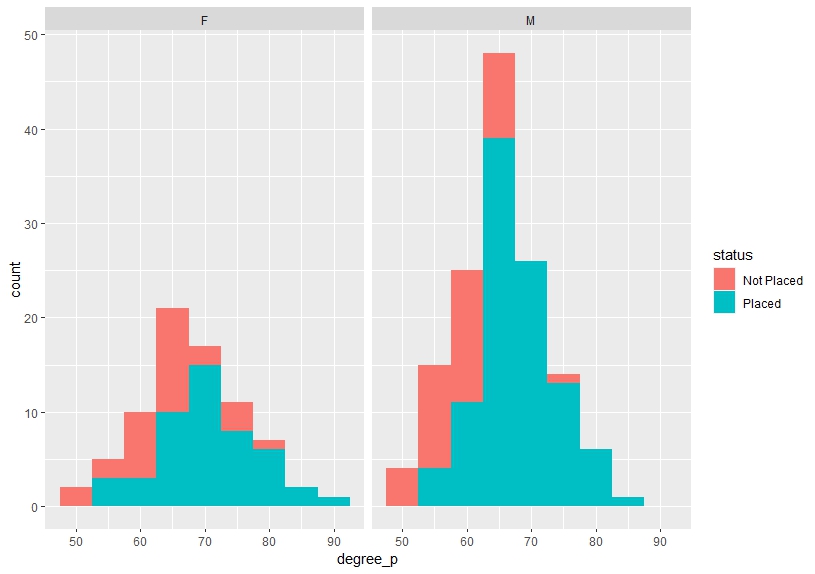
b4 + geom\_boxplot(aes(fill = status)) +

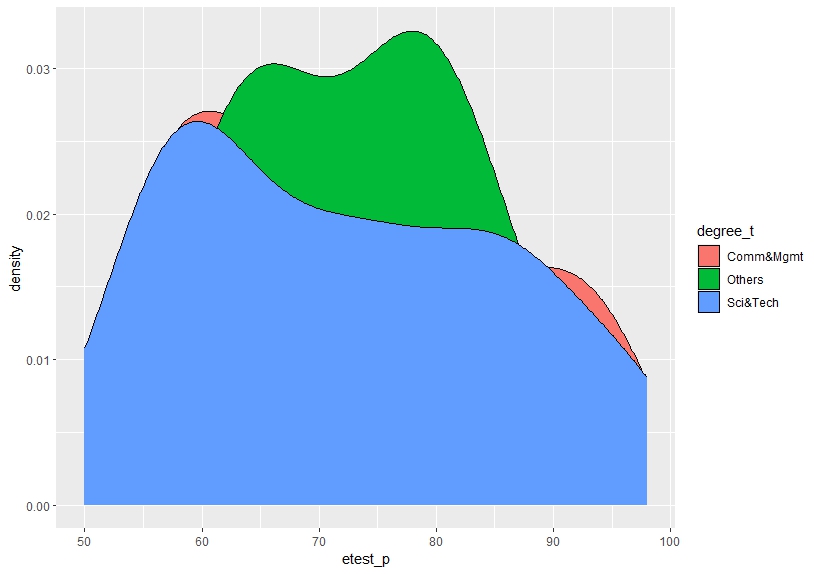
facet\_wrap(~gender)

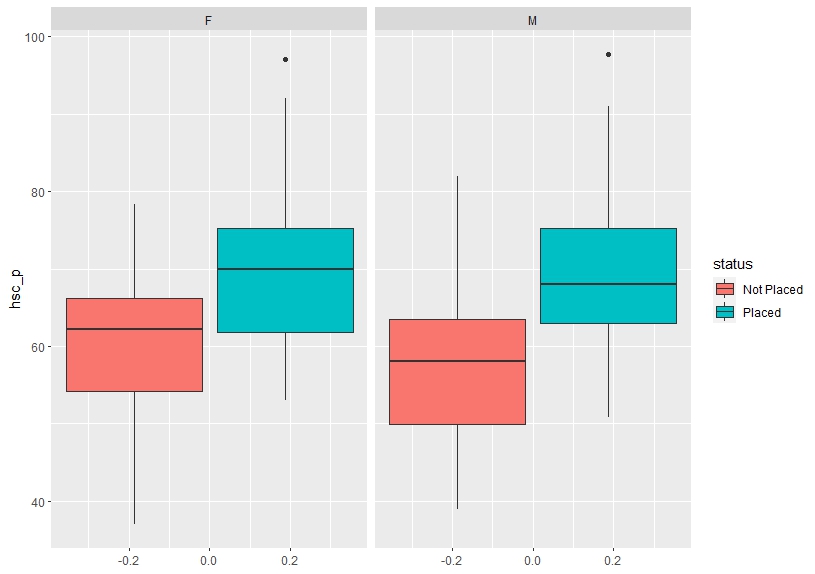
**OUTPUT:**

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