Sample Outputs

> names(df)					
[1] "sl_no"	"gender"	"ssc_p"	"ssc_b"	"hsc_p"	"hsc_b"
[7] "hsc_s"	"degree_p"	"degree_t"	"workex"	"etest_p"	"specialisation"
[13] "mba_p"	"status"	"salary"			22

Figure 1: Column names in the Dataframe before renaming them.

Figure 2: Dataframe column names after renaming the columns.

>	head(df)									
	serial_number gen									
1	1	М	(57.00	Others					
2	2	М		79.33	Central					
3	3	М	(55.00	Central					
4	4	М	5	56.00	Central					
5	5	M	8	35.80	Central					
6	6	М	5	55.00	0thers					
	higher_secondary_education_percentage higher_education_board higher_secondary_specialization									
1			91.00	Others		Commerce				
2			78.33	Others		Science				
3			68.00	Central		Arts				
4			52.00	Central		Science				
5			73.60	Central		Commerce				
6			49.80	Others		Science				
			work_experience	employability.		nba_specialization				
1	58.00		No		55.0	Mkt&HR				
2	77.48	Sci&Tech	Yes		86.5	Mkt&Fin				
3	64.00	9	No		75.0	Mkt&Fin				
4	52.00		No		66.0	Mkt&HR				
5	73.30	3	No		96.8	Mkt&Fin				
6	67.25		Yes		55.0	Mkt&Fin				
	mba_percentage pl									
1	58.80	Placed								
2	66.28	Placed								
3	57.80	Placed								
4	59.43	Not Placed	NA							
5	55.50	Placed								
6	51.58	Not Placed	NA							

Figure 3: The top 6 rows in the dataframe.

```
> glimpse(df)
Rows: 215
Columns: 15
                                                                                                                <int> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,...
$ serial_number
                                                                                                                $ secondary_education_percentage
$ secondary_education_board
                                                                                                                <chr> "Others", "Central", "Central", "Central", "Central", "Others"...
higher_secondary_education_percentage < dbl> 91.00, 78.33, 68.00, 52.00, 73.60, 49.80, 49.20, 64.00, 79.00, ...
                                                                                                               <chr> "Others", "Others", "Central", "Central", "Central", "Others",...
<chr> "Commerce", "Science", "Arts", "Science", "Commerce", "Science...
$ higher_education_board
$ higher_secondary_specialization
                                                                                                                <dbl> 58.00, 77.48, 64.00, 52.00, 73.30, 67.25, 79.00, 66.00, 72.00,...
$ degree_percentage
                                                                                                                <<hr> "Sci&Tech", "Sci&Tech", "Comm&Mgmt", "Sci&Tech", "Comm&Mgmt", ...
</hr> "No", "Yes", "No", "No", "Yes", "No", "Yes", "No", "Yes", "No", "No", "No", "No", "Yes", "No", "N
$ degree_field
$ work_experience
                                                                                                                <dbl> 55.00, 86.50, 75.00, 66.00, 96.80, 55.00, 74.28, 67.00, 91.34,...
$ employability_test_percentage
                                                                                                                <chr> "Mkt&HR", "Mkt&Fin", "Mkt&Fin", "Mkt&HR", "Mkt&Fin", "Mkt&Fin"...
<dbl> 58.80, 66.28, 57.80, 59.43, 55.50, 51.58, 53.29, 62.14, 61.29,...
$ mba_specialization
$ mba_percentage
                                                                                                                 <chr> "Placed", "Placed", "Not Placed", "Placed", "Not Pla...
$ placement_status
                                                                                                                 <int> 270000, 200000, 250000, NA, 425000, NA, NA, 252000, 231000, NA...
$ salary
```

Figure 4: Output for glimpse(dataframe).

```
> summary(df)
                  gender
serial_number
                                 secondary_education_percentage secondary_education_board
Min. : 1.0
               Length:215
                                 Min. :40.89
                                                               Length: 215
                                 1st Qu.:60.60
1st Qu.: 54.5
               Class :character
                                                               Class :character
Median :108.0 Mode :character
                                 Median :67.00
                                                               Mode :character
Mean :108.0
                                 Mean :67.30
3rd Qu.:161.5
                                 3rd Qu.:75.70
Max. :215.0
                                 Max.
                                       :89.40
higher_secondary_education_percentage higher_education_board higher_secondary_specialization
Min.
     :37.00
                                    Lenath: 215
                                                         Lenath: 215
1st Qu.:60.90
                                    Class :character
                                                          Class :character
Median :65.00
                                    Mode :character
                                                          Mode :character
Mean :66.33
3rd Qu.:73.00
Max. :97.70
degree_percentage degree_field
                                   work_experience
                                                     employability_test_percentage mba_specialization
Min. :50.00 Length:215
                                   Length: 215
                                                     Min. :50.0
                                                                                  Length:215
1st Qu.:61.00
                 Class :character Class :character
                                                     1st Qu.:60.0
                                                                                  Class :character
Median :66.00
                 Mode :character Mode :character
                                                     Median :71.0
                                                                                  Mode :character
Mean :66.37
                                                     Mean :72.1
3rd Qu.:72.00
                                                     3rd Qu.:83.5
Max. :91.00
                                                     Max. :98.0
                                     salary
mba_percentage placement_status
Min. :51.21 Length:215
                                 Min. :200000
              Class :character 1st Qu.:240000
1st Qu.:57.95
                                 Median :265000
Median :62.00
               Mode :character
Mean :62.28
                                 Mean :288655
3rd Qu.:66.25
                                 3rd Qu.:300000
Max.
      :77.89
                                 Max.
                                        :940000
                                 NA's
                                        :67
```

Figure 5: Output for summary(dataframe).

Figure 6: Output for percentages of students who secured a placement in the workforce and percentages grouped by MBA Specialization.

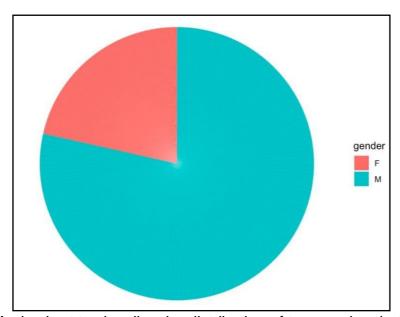


Figure 7: A pie chart to visualize the distribution of two genders in the dataset.

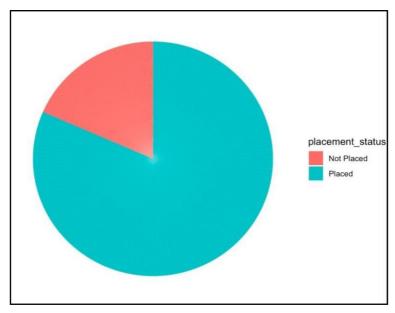


Figure 8: A pie chart to visualize the distribution of placement status of the students in the dataset.

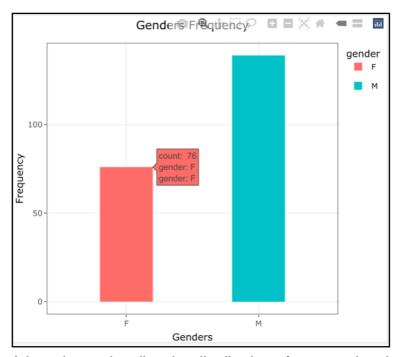


Figure 9: A bar plot to visualize the distribution of two genders in the dataset.

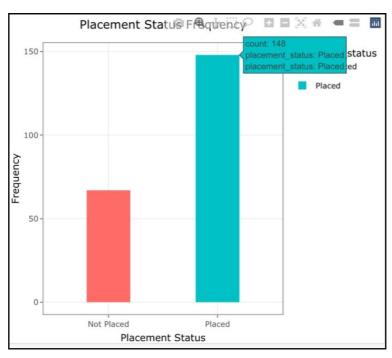


Figure 10: A bar plot to visualize the distribution of placement status of the students in the dataset.

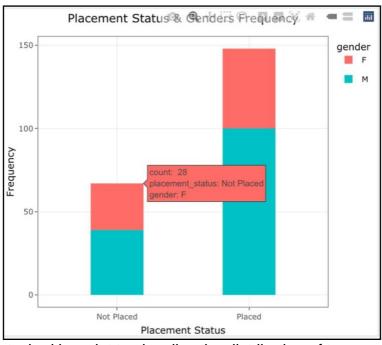


Figure 11: A stacked bar plot to visualize the distribution of two genders based on placement status.

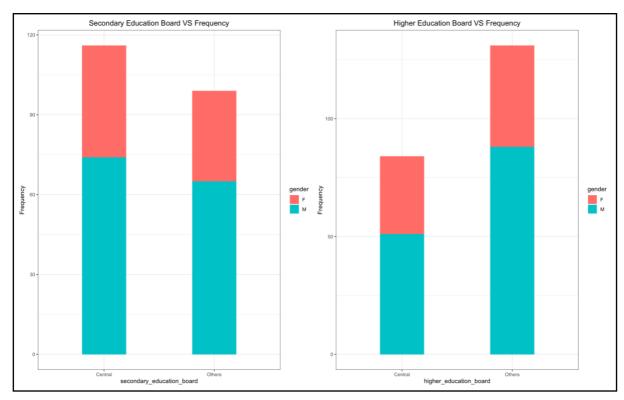


Figure 12: A stacked bar plot to visualize the distribution of two genders based on secondary and higher education board.

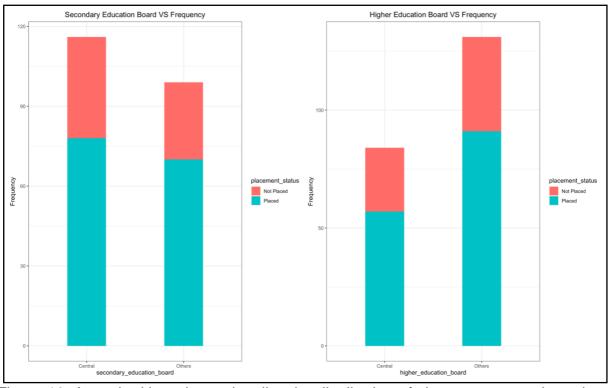


Figure 13: A stacked bar plot to visualize the distribution of placement status based on secondary and higher education board.

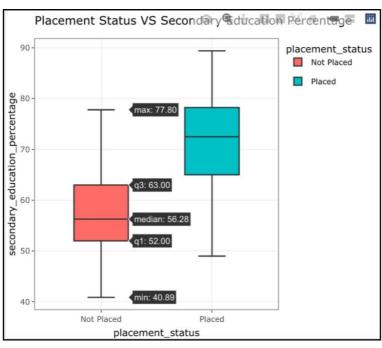


Figure 14: An interactive box plot to visualize the distribution of marks vs placement status.

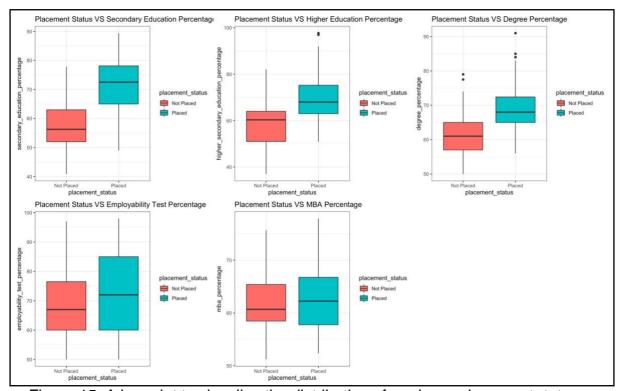


Figure 15: A box plot to visualize the distribution of marks vs placement status.

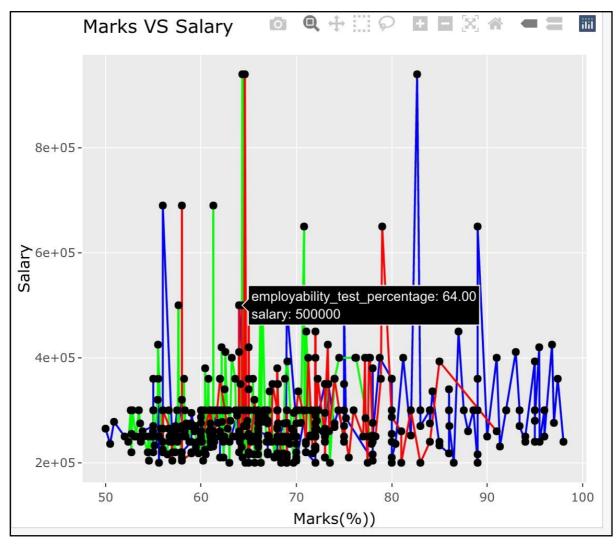


Figure 16: An interactive line graph to visualize marks vs salary.

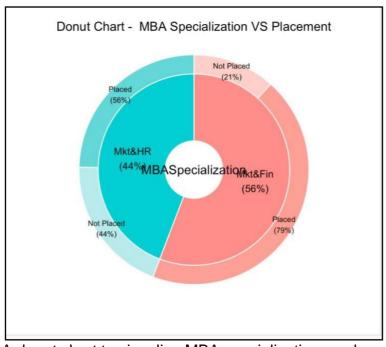


Figure 17: A donut chart to visualize MBA specialization vs placement status.

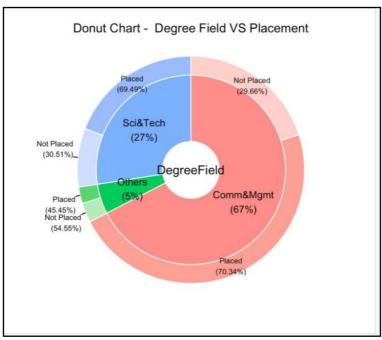


Figure 18: A donut chart to visualize degree field vs placement status.

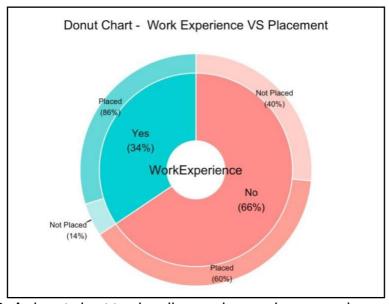


Figure 19: A donut chart to visualize work experience vs placement status.

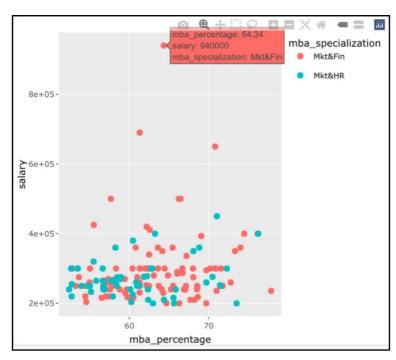


Figure 20: An interactive scatter plot to visualize MBA percentage vs salary according to its MBA specialization.

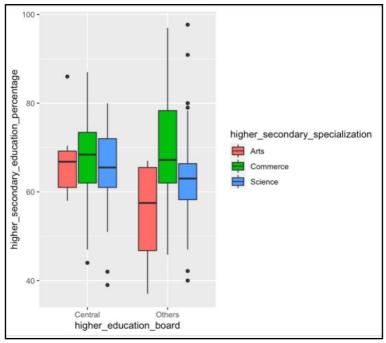


Figure 21: A box plot to visualize higher education board vs higher secondary education percentage according to the higher secondary specialization.

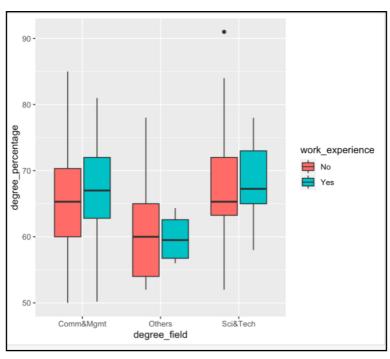


Figure 22: A box plot to visualize degree field vs degree percentage according to work experience.