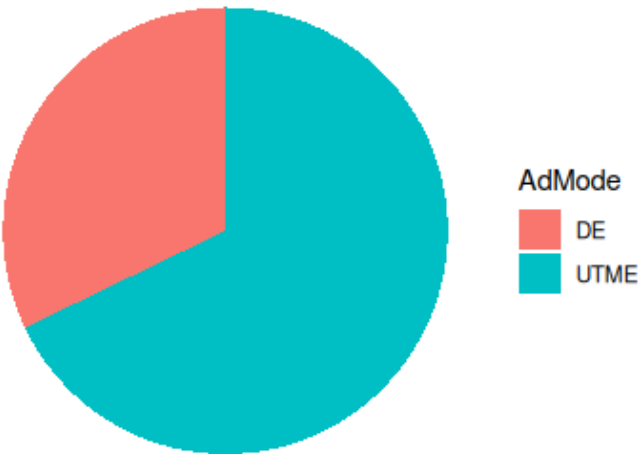


**Solution (1): Admission Mode of Students**

Proportion of DE vs. UTME Entries



**Summary of Admission By Mode:**

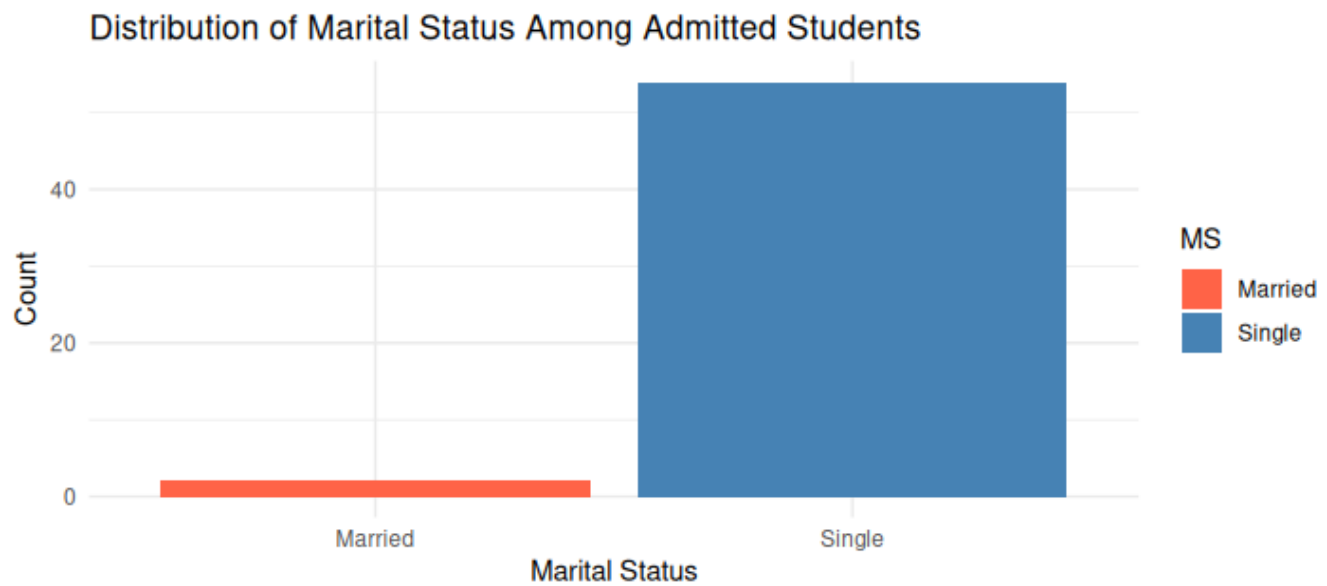
Admission Type	Count	Percentage
Direct Entry (DE)	18	32.1%
UTME(Jamb)	38	67.9%

The dataset above comprises 56 student admissions, divided by entry mode as follows:

- Direct Entry (DE): 18 admissions, making up 32.1% of the total.
- UTME (JAMB): 38 admissions, constituting 67.9% of the total.

The pie chart effectively illustrates this distribution, revealing that a substantial majority of admissions are through UTME. This underscores UTME as the primary mode of admission within the dataset.

**Solution (2): Distribution of Student Marital Status**



The dataset includes information on the marital status of the 56 students. The breakdown is as follows:

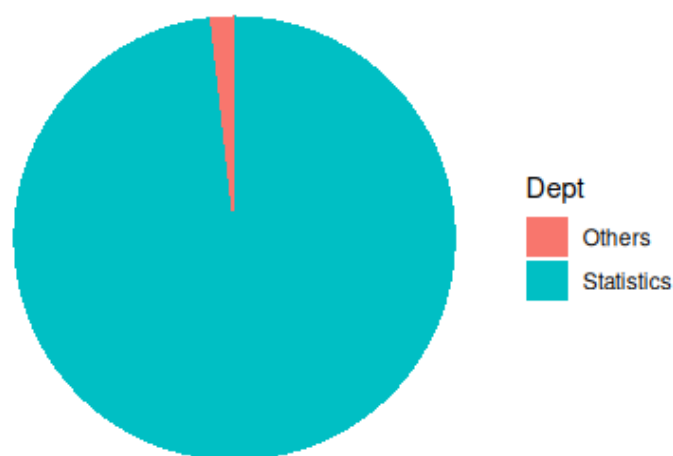
Marital Status	Count	Percentage
Single	54	96.4%
Married	2	3.6%

The vast majority of admitted students are single, comprising 96.4% of the population, while only a small minority, 3.6%, are married. This distribution indicates that single individuals overwhelmingly represent the typical demographic among those admitted.

The pie chart vividly illustrates this disparity, with the segment representing single students dominating the chart. This stark visual reinforces the overwhelming predominance of single individuals in the admitted student population.

Solution (3): DEPARTMENT OF STUDENTS

Proportion of Student department.



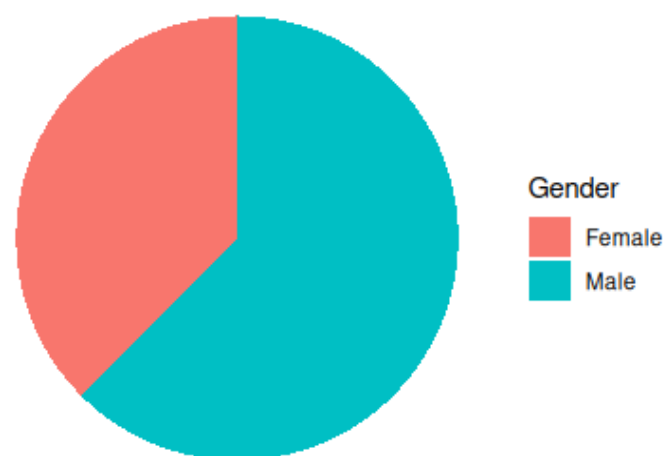
The dataset shows that the vast majority of students, 55 out of 56, are enrolled in the Statistics department, while only 1 student belongs to other departments.

Department	Count	Percentage
Statistics	55	98.2%
Others	1	1.8%

The pie chart clearly shows that nearly all admissions are concentrated in the Statistics department, which accounts for 98.2% of the total. The small sliver representing other departments emphasizes how dominant Statistics is among the admitted students.

**Solution (4): GENDER OF STUDENTS**

Proportion of Student Gender.



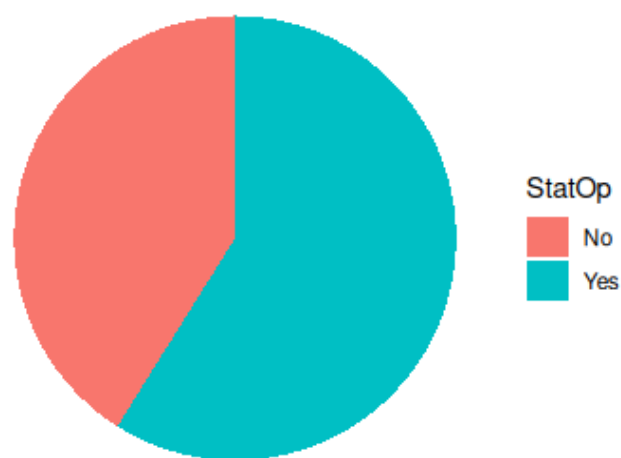
The dataset reveals the following gender distribution among the admitted students:

Gender	Count	Percentage
Female	21	37.5%
Male	35	62.5%

The pie chart visually highlights that a larger proportion of the admitted students are male, making up 62.5% of the total. The chart clearly demonstrates the greater representation of males compared to females in the admitted student population.

**Solution (5) : Statistics as First Option**

Proportion of Student with Stat as first Option



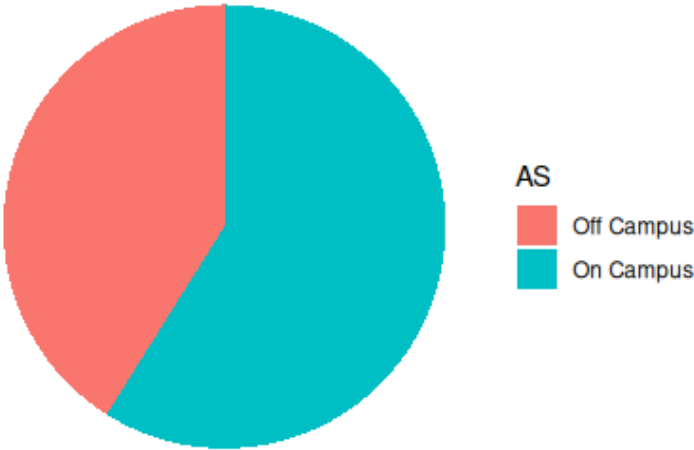
The dataset indicates the following choices regarding whether Statistics was selected as the first option:

Choose Stat as first option	Count	Percentage
No	23	41.1%
Yes	33	58.9%

The pie chart effectively illustrates that a majority of students, 58.9%, chose Statistics as their first option. This visual clearly highlights the strong preference for Statistics as the primary choice among the students, compared to the 41.1% who did not select it as their first option

**Solution (6) : Students Accommodation Status**

Proportion of Student Accomodation Status



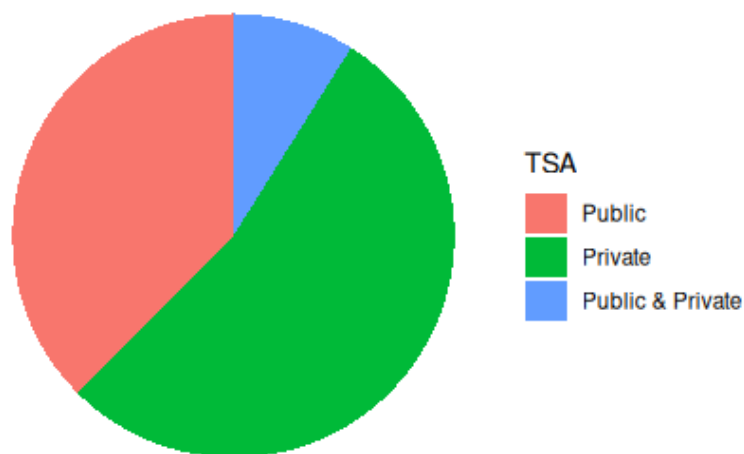
The dataset provides the following breakdown of students' accommodation status:

Accommodation Status	Count	Percentage
Off Campus	23	41.1%
On Campus	33	58.9%

The pie chart clearly reveals that a majority of students, 58.9%, are residing on campus, while 41.1% are living off campus. This distribution highlights the higher preference or availability of on-campus accommodation among the admitted students.

Solution (7) : Type Of School Attended

Proportion of Student with type of School Attended

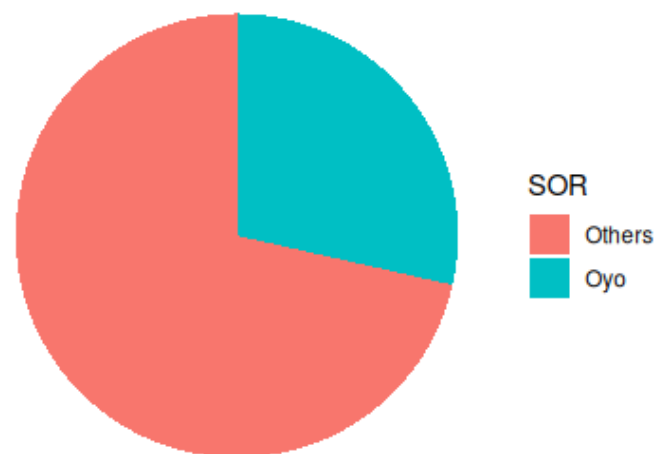


The dataset shows the following distribution of the types of schools attended by the students before admission:

Type Of School Attended	Count	Percentage
Public	21	37.5%
Private	30	53.6%
Public & Private	5	8.9%

Solution (8) : Students State OF Origin

Proportion of Student From OYO and Others



The dataset reveals the following distribution of students' states of origin:

State Of Origin	Count	Percentage
Others	40	71.4%
Oyo	16	28.6%

The pie chart clearly illustrates that a significant majority of students, 71.4%, come from states categorized as "Others," while 28.6% are from Oyo. This visual emphasizes the dominant presence of students from various other states compared to those specifically from Oyo.

Exploratory Data Analysis tool Used: R and R Studio

Source Code: [githublink](#)