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Email-ID : **Vinayak.paul26@gmail.com**

Data Analytics Trainee
Task 4: Hiring Process Analytics , Tech Stack Used : Microsoft Excel

Analysis done on the following points:-

A.Hiring: Process of intaking of people into an organization for different kinds of positions.
Your task: How many males and females are Hired ?

B. Average Salary: Adding all the salaries for a select group of employees and then dividing the sum by the number of employees in the group.
Your task: What is the average salary offered in this company ?

C. Class Intervals: The class interval is the difference between the upper class limit and the lower class limit.
Your task: Draw the class intervals for salary in the company ?

D. Charts and Plots: This is one of the most important part of analysis to visualize the data.
Your task: Draw Pie Chart / Bar Graph (or any other graph) to show proportion of people working different department ?

E. Charts: Use different charts and graphs to perform the task representing the data.
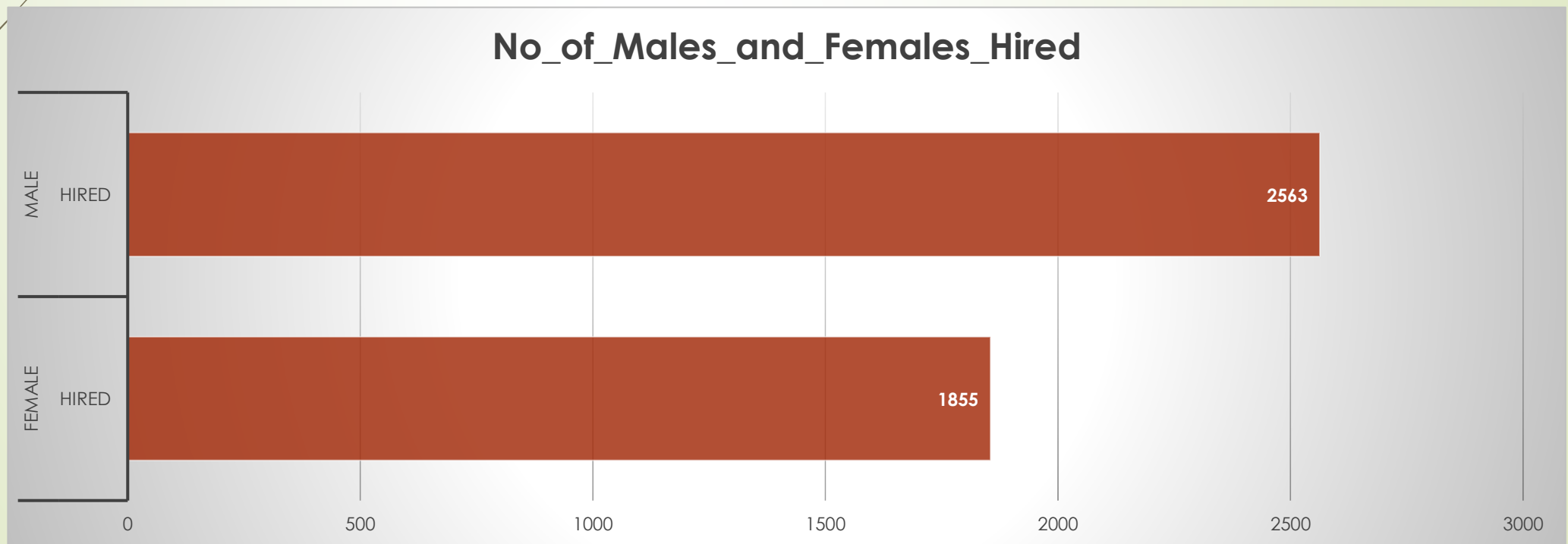**Your task:** Represent different post tiers using chart/graph

Hiring

Hiring: Process of intaking of people into an organization for different kinds of positions.
Your task: How many males and females are Hired ?

event_name	Status	No_of_males_and_females_hired
Female	Hired	1855
Male	Hired	2563

No_of_Males_and_Females_Hired

Average Salary: Adding all the salaries for a select group of employees and then dividing the sum by the number of employees in the group.

Your task: What is the average salary offered in this company ?

To find the average salary offered in this company:-

1. First, we need to remove the outliers i.e. to remove the salaries below 1000 and above 100000
2. Then using the formula
   =AVERAGE(entire_column_of_salary_after_removing_outliers)
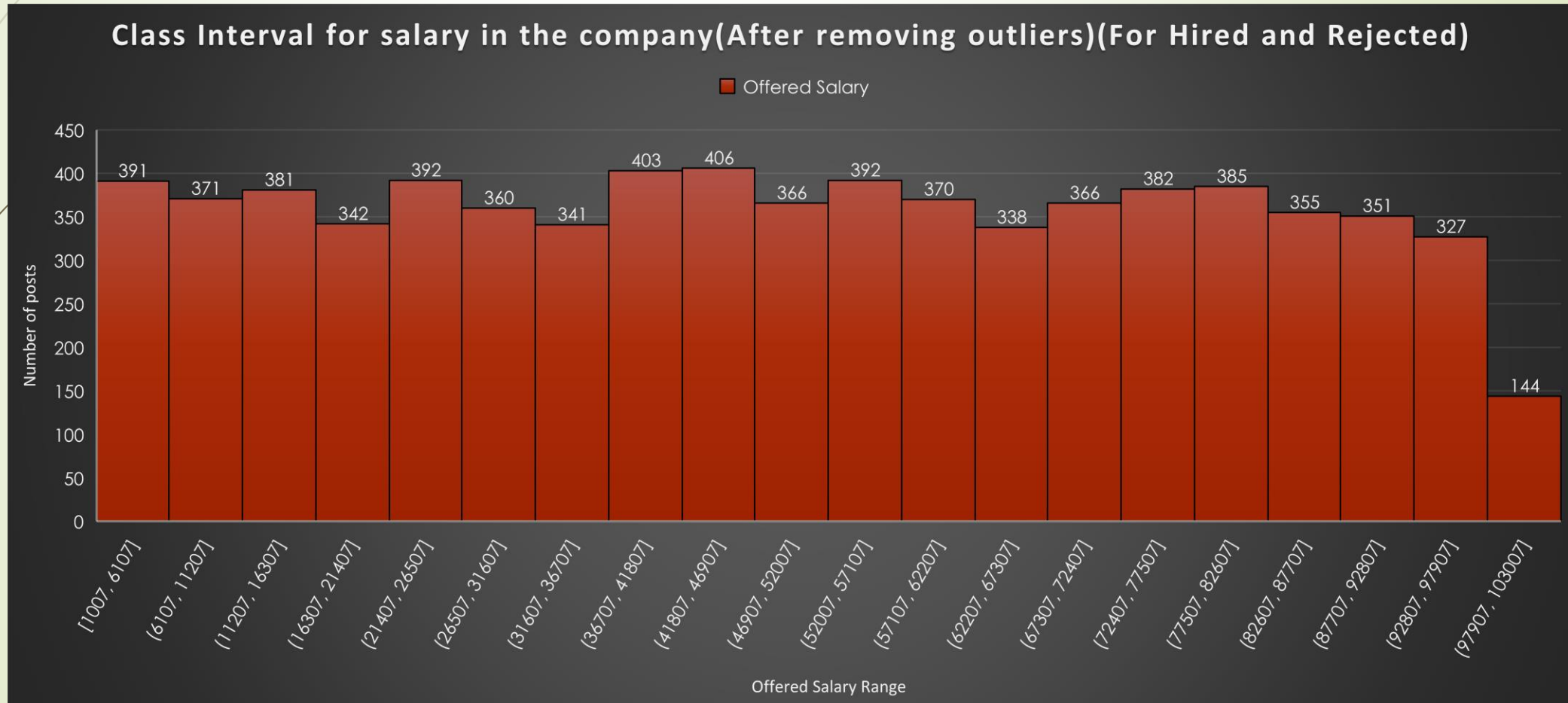
Formula Used:-

=AVERAGE(G:G)

Output/Result   49983.03223

Class Intervals: The class interval is the difference between the upper class limit and the lower class limit.

Your task: Draw the class intervals for salary in the company ?

Class Interval for salary in the company(After removing outliers)(For Hired and Rejected)

Class Intervals

Class Intervals: The class interval is the difference between the upper class limit and the lower class limit.

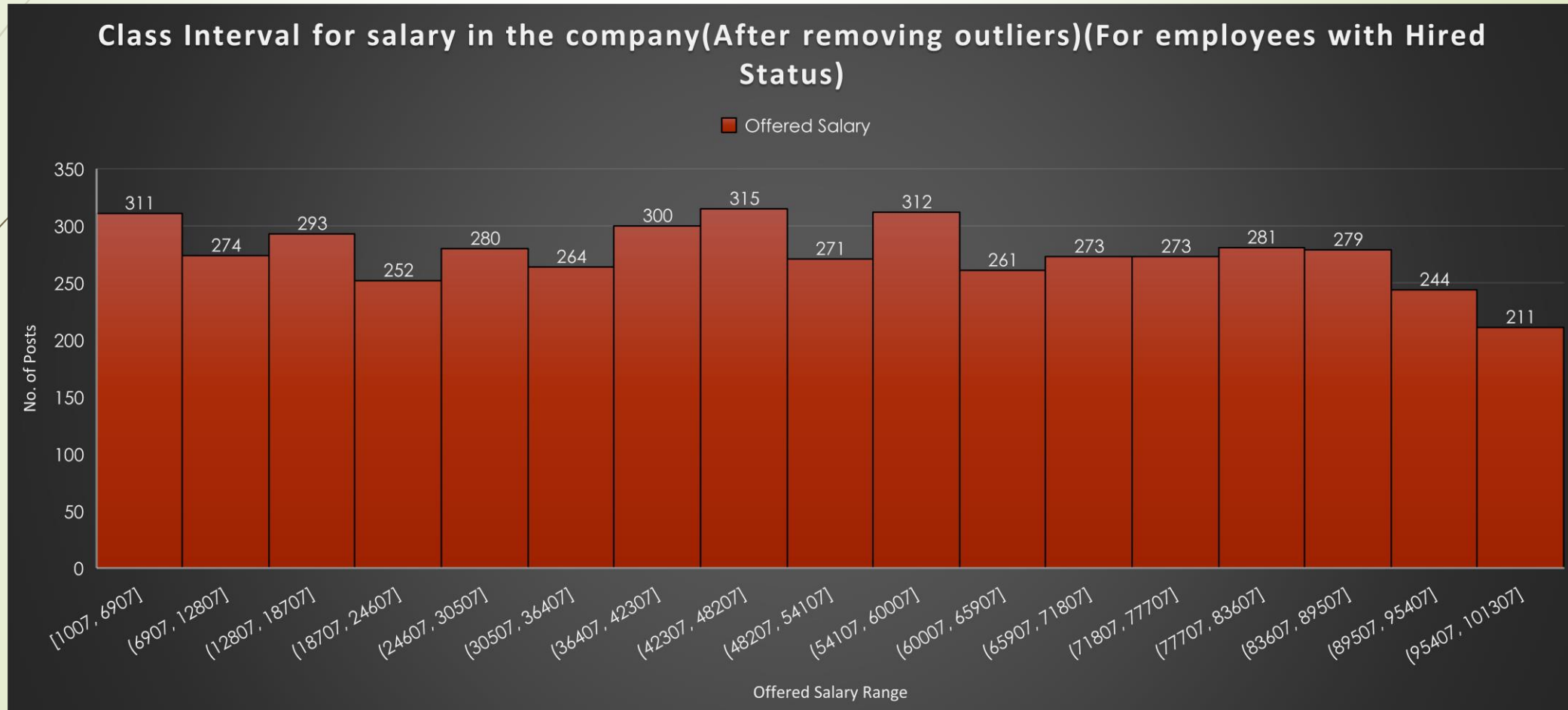**Your task:** Draw the class intervals for salary in the company ?

Charts and Plots: This is one of the most important part of analysis to visualize the data.
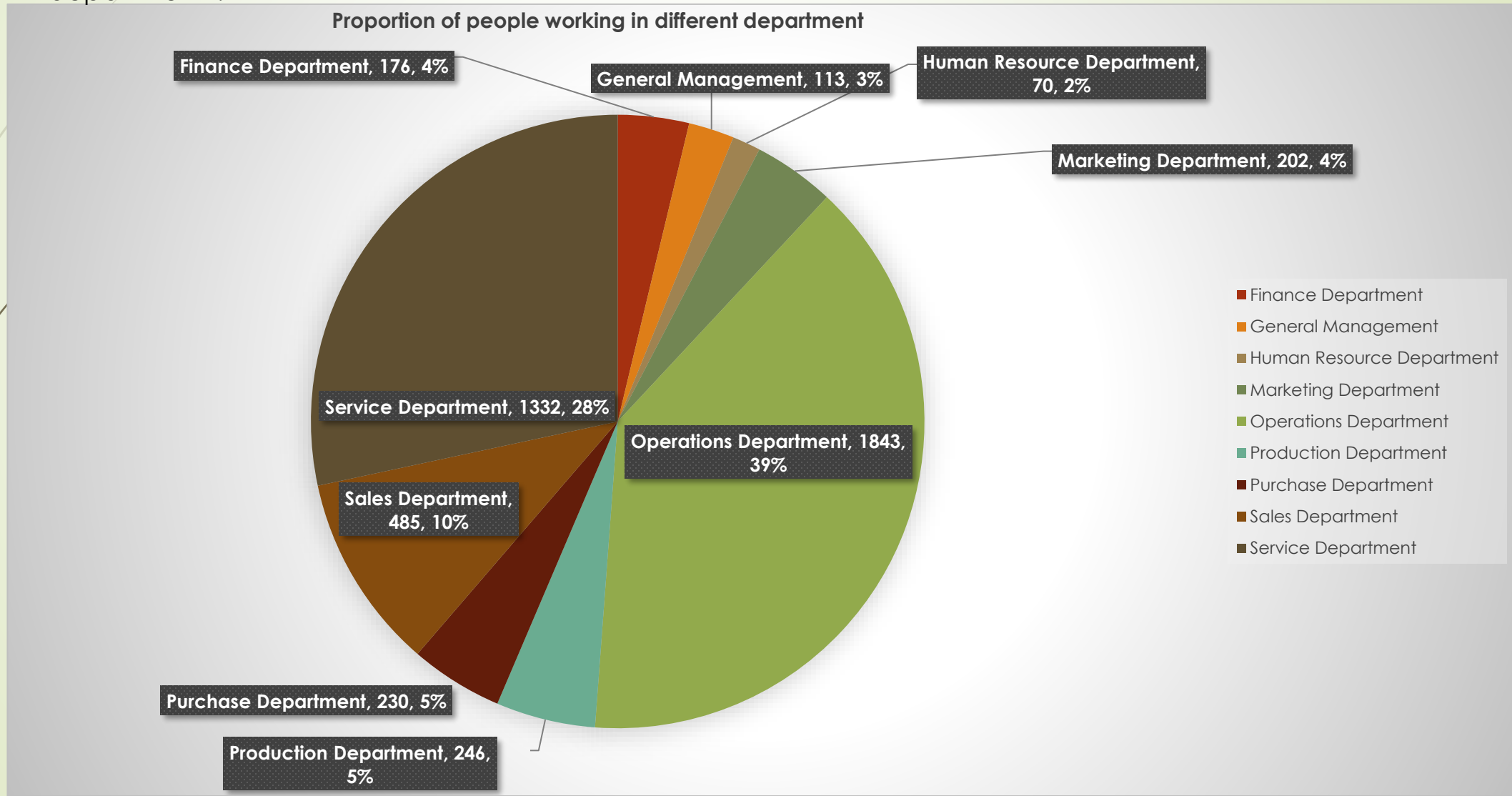
Your task: Draw Pie Chart / Bar Graph (or any other graph) to show proportion of people working different department ?

Department	Status	Count of Department
Finance Department		176
General Management		113
Human Resource Department		70
Marketing Department		202
Operations Department		1843
Production Department		246
Purchase Department		230
Sales Department		485
Service Department		1332

Charts and Plots

Charts and Plots: This is one of the most important part of analysis to visualize the data.

Your task: Draw Pie Chart / Bar Graph (or any other graph) to show proportion of people working different department ?

Proportion of people working in different department

- Finance Department, 176, 4%
- General Management, 113, 3%
- Human Resource Department, 70, 2%
- Marketing Department, 202, 4%
- Operations Department, 1843, 39%
- Production Department, 246, 5%
- Purchase Department, 230, 5%
- Sales Department, 485, 10%
- Service Department, 1332, 28%

Legend:
- Finance Department
- General Management
- Human Resource Department
- Marketing Department
- Operations Department
- Production Department
- Purchase Department
- Sales Department
- Service Department

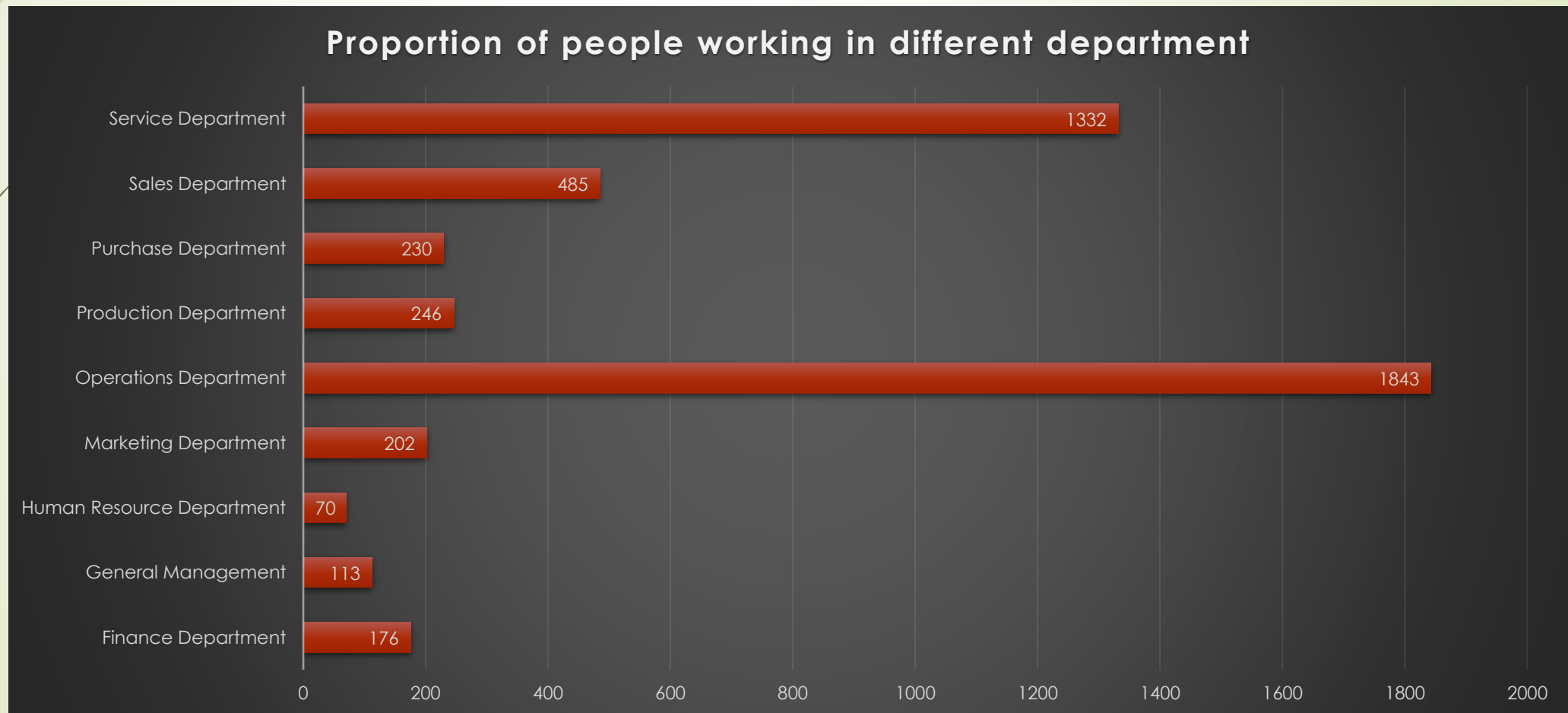**Charts and Plots:** This is one of the most important part of analysis to visualize the data.

Your task: Draw Pie Chart / Bar Graph (or any other graph) to show proportion of people working different department ?

Proportion of people working in different department

Department	Value
Service Department	1332
Sales Department	485
Purchase Department	230
Production Department	246
Operations Department	1843
Marketing Department	202
Human Resource Department	70
General Management	113
Finance Department	176

Charts(Hired)

Charts: Use different charts and graphs to perform the task representing the data.

Your task: Represent different post tiers using chart/graph

Post Name	Status	Count of Post Tiers (Hired)
b9		308
c-10		105
c5		1182
c8		194
c9		1239
i1		151
i4		32
i5		511
i6		337
i7		635
m6		2
n6		1

Charts: Use different charts and graphs to perform the task representing the data.

Your task: Represent different post tiers using chart/graph

Count of Post Tiers (Hired)

	b9	c-10	c5	c8	c9	i1	i4	i5	i6	i7	m6	m7	n10	n6	n9
Total	463	232	1747	321	1792	222	88	787	527	982	3	1	1	1	1

Charts: Use different charts and graphs to perform the task representing the data.
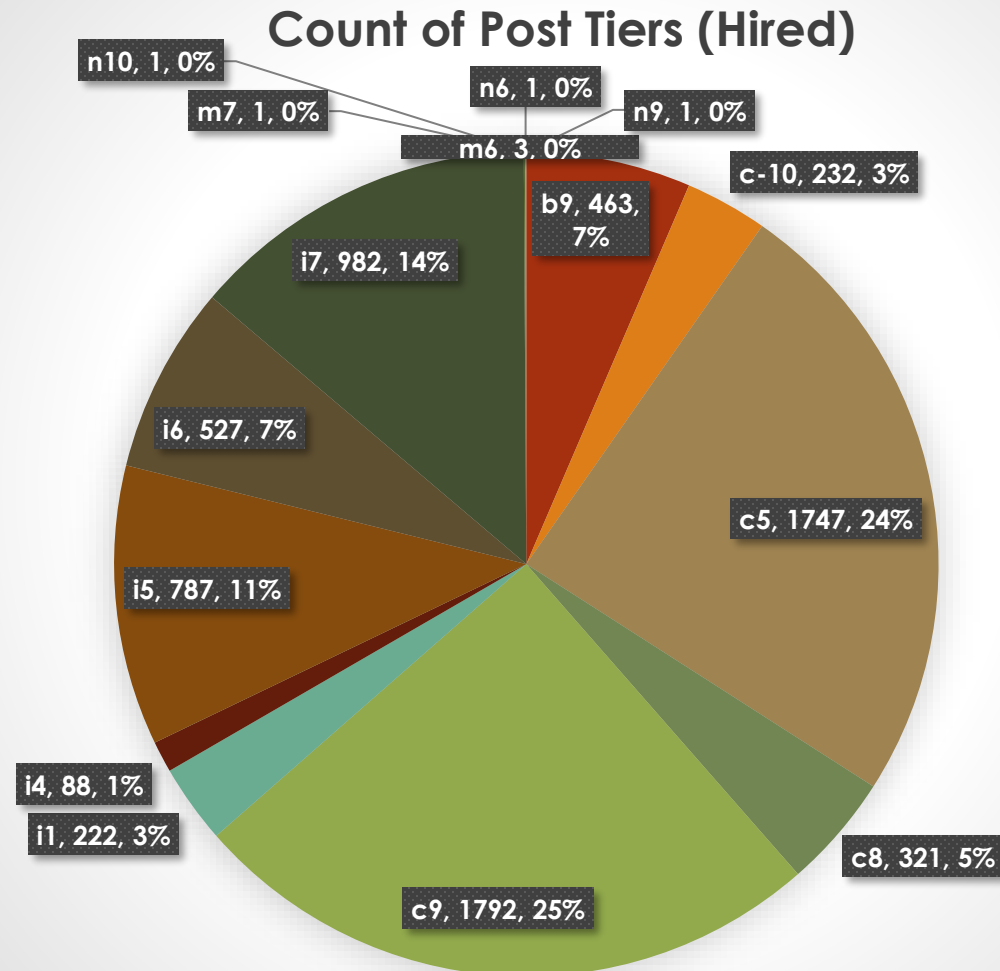
Your task: Represent different post tiers using chart/graph
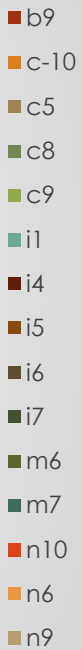
Count of Post Tiers (Hired)

Charts: Use different charts and graphs to perform the task representing the data.
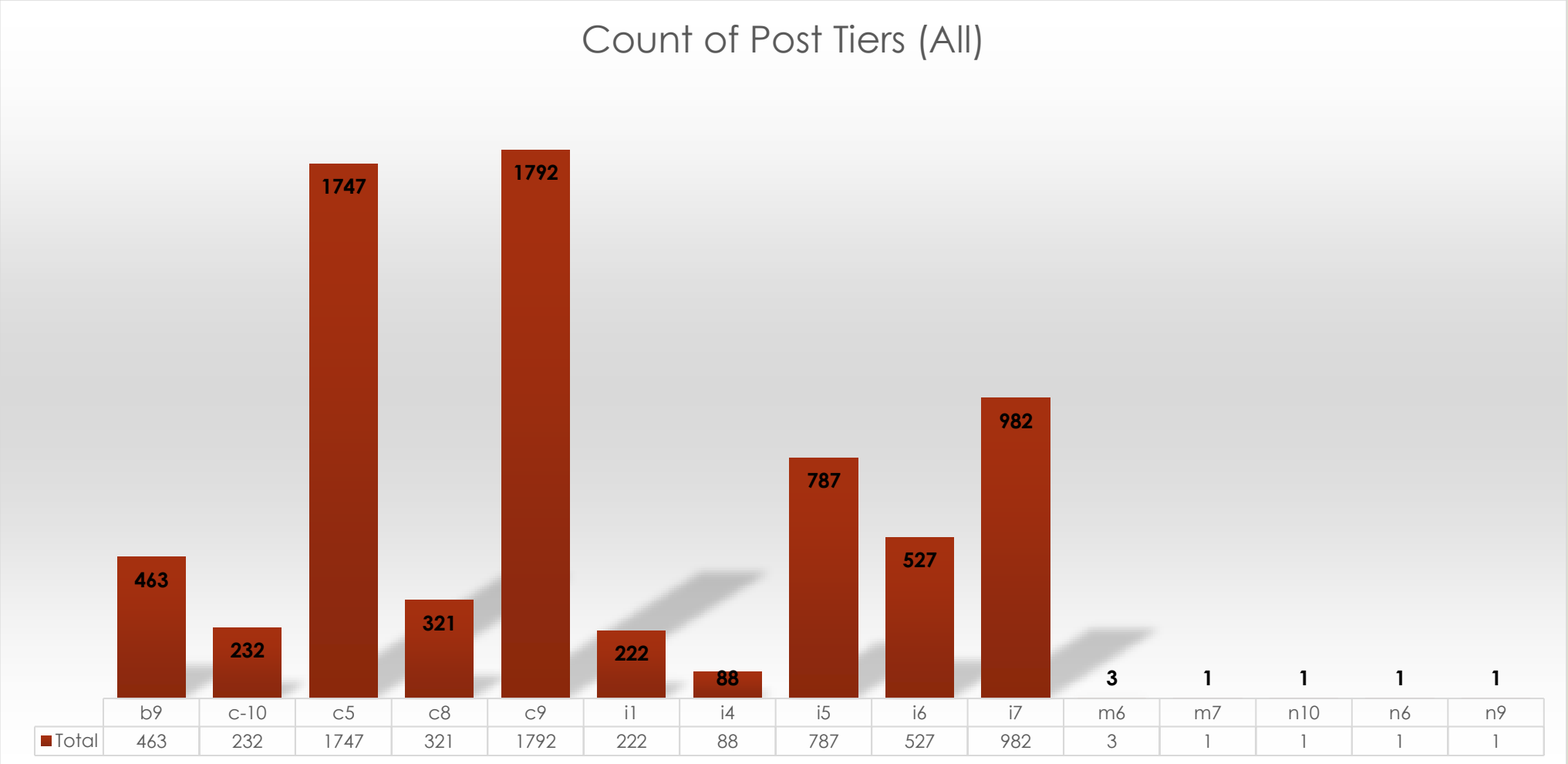
Your task: Represent different post tiers using chart/graph

Post Name	Status	Count of Post Tiers (All)
b9		463
c-10		232
c5		1747
c8		321
c9		1792
i1		222
i4		88
i5		787
i6		527
i7		982
m6		3
m7		1
n10		1
n6		1
n9		1

Charts: Use different charts and graphs to perform the task representing the data.

Your task: Represent different post tiers using chart/graph

Count of Post Tiers (All)

	b9	c-10	c5	c8	c9	i1	i4	i5	i6	i7	m6	m7	n10	n6	n9
Total	463	232	1747	321	1792	222	88	787	527	982	3	1	1	1	1

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Your task: Represent different post tiers using chart/graph

Count of Post Tiers (All)
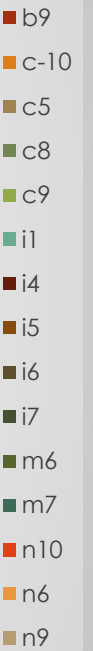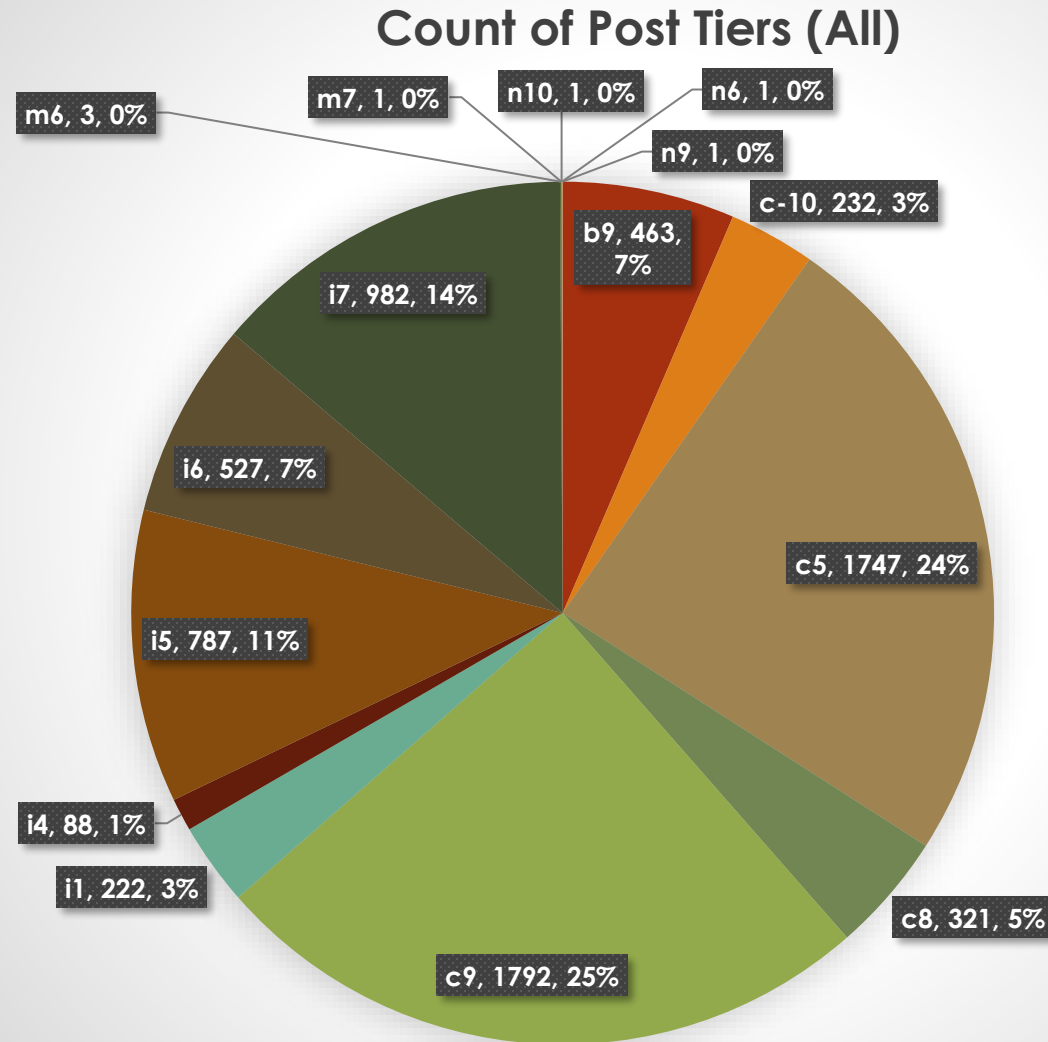
Hence, all the questions given as a part of Data Analytics Trainee Task 4: Hiring Process Analytics have been provided with answers along with graphs

In this task all the concepts regarding to Excel and statistics have been implemented using Microsoft Excel

Google Drive Link for the Updated and edited Excel sheet

Statistics.xlsx - Google Sheets