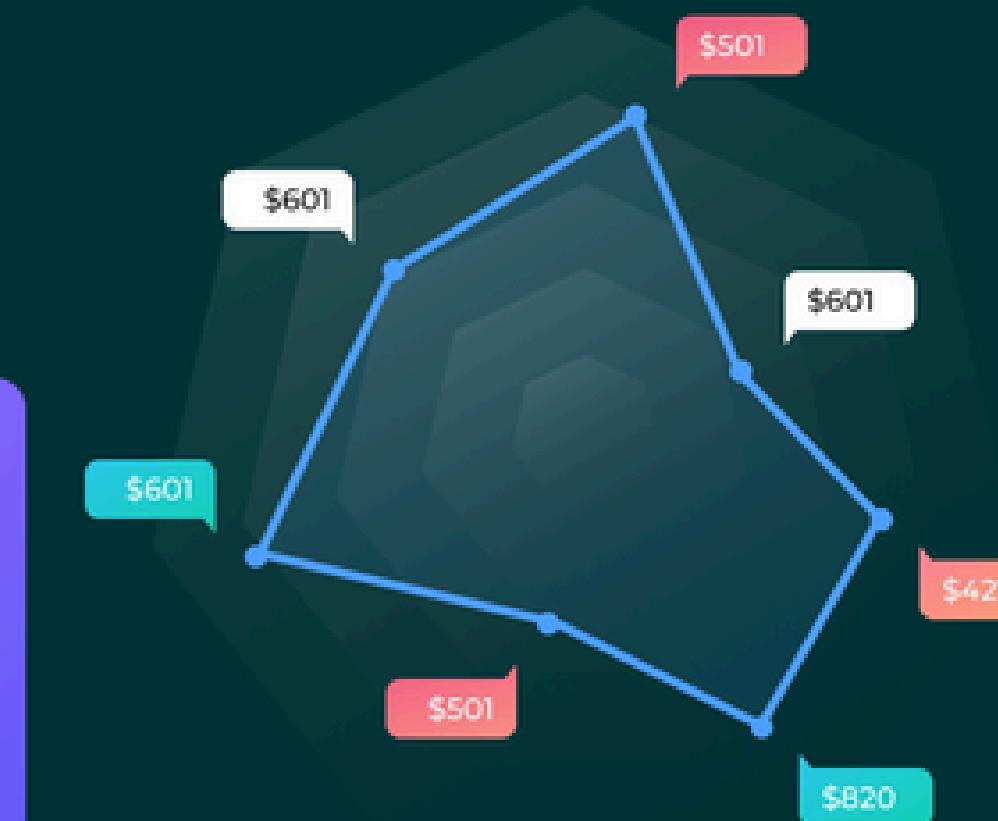


T

trainity

Company Statistics



By: ANIRUDH CHAUDHARY

PROJECT DESCRIPTION:

The hiring process is a critical function for any organization, ensuring the recruitment of qualified talent while optimizing the company's resources and strategies. For this project, the goal was to analyze hiring process data from a multinational company like Google to identify trends, insights, and opportunities for improvement.

The dataset provided includes details such as candidate demographics, salary data, departmental distribution, and job tier classifications.

This project aimed to address specific areas:

- 1. Understanding the gender distribution of hires to promote diversity and inclusion.**
- 2. Analyzing salary trends to ensure competitiveness and equity.**
- 3. Identifying the distribution of employees across departments and position tiers to highlight resource allocation and organizational structure.**
- 4. Detecting outliers, handling missing data, and summarizing the dataset for actionable insights.**

The findings from this analysis could guide data-driven decisions to enhance the hiring process, ensure equitable practices, and align recruitment strategies with organizational goals.



APPROACH:

To execute this project, a systematic approach was adopted to ensure accuracy and efficiency. The steps were as follows:

1. Data Cleaning and Preparation:

- o Missing Data Handling: Identified columns with missing data. Missing values were addressed using strategies like filling with the mean/median for numerical data or mode for categorical data. In cases where data was irretrievable, rows were excluded to maintain dataset integrity.
- o Outlier Detection and Handling: Salary data was examined for outliers using statistical methods such as the interquartile range (IQR). Outliers were visualized using box plots, and decisions were made to either remove or replace them based on their impact on analysis.

2. Data Summarization:

- o Statistical measures (mean, median, and standard deviation) were calculated to understand the central tendencies and variability within the dataset.
- o Data was visually explored through pivot tables and charts to summarize key findings.

3. Question-Specific Analysis:

- o Gender Distribution: Filtered data to count the total hires by gender.
- o Average Salary: Used Excel functions like AVERAGE to compute the mean salary across the dataset.
- o Salary Distribution: Created salary intervals using Excel's frequency distribution functions, which were later represented visually.
- o Departmental Analysis: Used pie charts and bar graphs to depict the proportional distribution of employees across various departments.
- o Position Tier Analysis: Analyzed the number of employees at each job tier level and visualized this data using stacked bar charts.

4. Visualization and Reporting:

All analyses were translated into clear and intuitive visualizations. Each chart or graph provided a visual narrative of the findings, making it easier to interpret and present to stakeholders.

TECH-STACK USED

The primary tool for this project was Microsoft Excel (Version 2022). Excel was chosen for its versatility in handling structured data, performing statistical analysis, and creating visualizations. The following Excel features and functions were employed:

- 1. Data Cleaning Tools:** Sorting, filtering, and removing duplicates.
- 2. Statistical Functions:** AVERAGE, MEDIAN, MIN, MAX, COUNTIF, and PERCENTILE functions for detailed analysis.
- 3. Visualization Tools:** Pie charts, bar graphs, histograms, and stacked bar charts to present findings effectively.
- 4. Pivot Tables:** Used to summarize large datasets and extract key insights dynamically.
- 5. Conditional Formatting:** Highlighted trends and anomalies in the dataset.

DATA-CLEANING

Cleaning the “Offered-Salary” Column, Identifying Blank Cells/Duplicate Values



The screenshot shows a Microsoft Excel spreadsheet with the following data:

application_id	Interview Taken on	Status	Gender	Department	Post Name	Offered Salary
383422	01-05-2014 11:40	Hired	Male	Service Department	c8	56553
907518	06-05-2014 08:08	Hired	Female	Service Department	c5	22075
176719	06-05-2014 08:08	Rejected	Male	Service Department	c5	70069
429799	02-05-2014 16:28	Rejected	Female	Operations Department	H	3207

The "Offered Salary" column (G) contains numerical values. A red box highlights the "Find & Select" dropdown menu under the "Editing" tab, which is step 1 of the process.

1



2

The screenshot shows the "Go To Special" dialog box with the following settings:

- Select: Blanks (radio button is selected)
- OK button
- Cancel button

The dialog box is overlaid on a portion of the Excel spreadsheet where the "Offered Salary" column (G) has been filtered to show only blank cells. The visible rows are:

Post Name	Offered Salary
c8	56553
c5	22075
c5	70069
H	3207
H	29668
H	89914
I	69994
I	11758
H	18136
H	49515
n1D	26990
M	200000

DATA-CLEANING

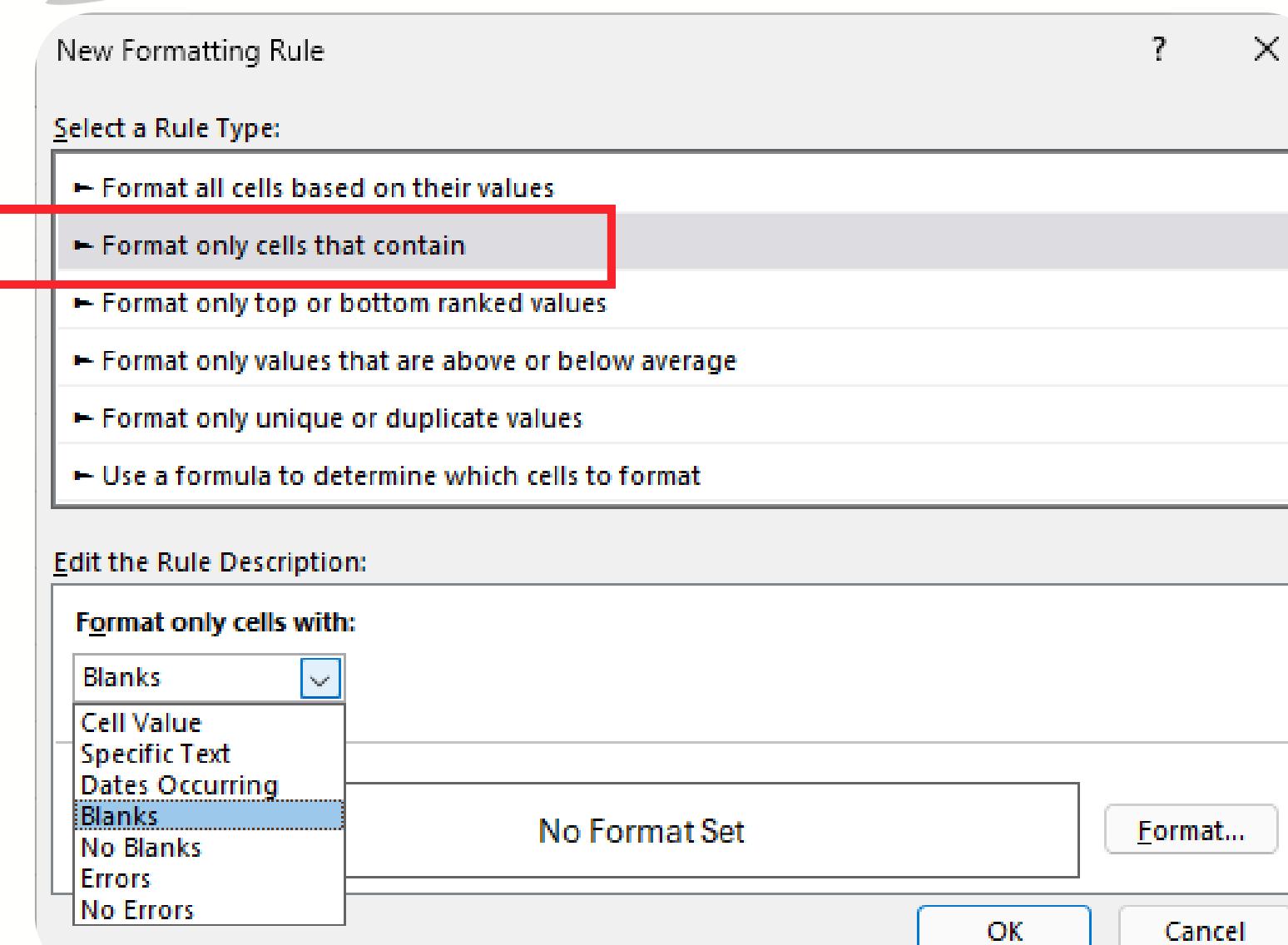
Post Identifying the “blank cells”, Highlighting the same



37957	07-05-2014 15:34	Hired	Female	Production Department	14	61532
674851	07-05-2014 15:35	Rejected	Female	Production Department	14	81261
928902	07-05-2014 16:26	Rejected	Female	Finance Department	10	59644
32155	07-05-2014 16:26	Rejected	Female	Finance Department	10	46852
572422	07-05-2014 08:07	Rejected	Male	Sales Department	17	61488
134584	07-05-2014 08:08	Rejected	Male	Sales Department	17	

3

4



C	D	E	F	G	
4 15:34	Hired	Female	Production Department	14	61532
4 15:35	Rejected	Female	Production Department	14	81261
4 16:26	Rejected	Female	Finance Department	10	59644
4 16:26	Rejected	Female	Finance Department	10	46852
4 08:07	Rejected	Male	Sales Department	17	61488
4 08:08	Rejected	Male	Sales Department	17	
4 08:08	Rejected	Male	Service Department	17	63364
4 15:22	Rejected	Male	Service Department	17	77517
4 07:13	Rejected	Male	Service Department	10	64746
4 22:19	Rejected	Male	Sales Department	16	80660
4 03:12	Hired	Male	Sales Department	14	62937
4 03:13	Rejected	Female	Sales Department	14	18921
4 03:15	Hired	Female	Sales Department	14	99693
4 03:16	Hired	Male	Sales Department	14	79230
4 03:16	Rejected	Male	Sales Department	14	56690
4 11:52	Rejected	Female	Production Department	15	75158
4 19:13	Rejected	Female	Operations Department	11	50125
4 19:17	Rejected	Female	Operations Department	11	11872
4 07:59	Hired	Male	Purchase Department	15	14781
4 07:57	Hired	Don't want to say	Purchase Department	15	43090

5

Identified a cell with “BLANK-SALARY”, department “Sales”, but the male-candidate identified is “REJECTED” in the interview

- Since the candidate is **Rejected** we may either consider deleting the row



- Or Use the **AVERAGE-FUNCTION**, to consider the average salary of the employee from all “Sales-Department Employees”, after filtering (sales department)
- **=AVERAGE(CELL- REFERENCE), Eg: =AVERAGE(H14:H25)**

DATA-CLEANING

Cleaning the “Post-Name” Column, Identifying Blank Cells/Duplicate Values



Using Filter/Go-to special to find any blank, non-satisfactory data

1

Department	Post Name	Offered Salary
Service Department	c8	56553
Service Department	c9	22075
Service Department	c9	70069
Operations Department	i4	3207
Operations Department	i4	29668
Sales Department	-	69914
Sales Department	i7	69904
Sales Department	i7	11758
Service Department	i4	15156
Service Department	i4	49515
Service Department	n10	26990
Service Department	b9	200000
Service Department	b9	86787
Finance Department	b9	2308
Service Department	i7	56688
Service Department	i7	81757
Service Department	i5	15134
Service Department	i5	300
Operations Department	i1	73579
Operations Department	i1	50351

Identified a cell with “BLANK-Post Name”, department “Sales” with cell reference “F7”

2

application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
383422	01-05-2014 11:49	Hired	Hire	Operations Department	i4	3207
907518	06-05-2014 08:08	Hired	Hire	Operations Department	i4	29668
176719	06-05-2014 08:08	Rejected	Rejected	Operations Department	i7	69904
429799	02-05-2014 16:28	Rejected	Rejected	Operations Department	i7	11758
253651	02-05-2014 16:32	Hired	Hire	Operations Department	i7	15156
289907	01-05-2014 07:44	Hired	Hire	Sales Department	-	69914
999124	06-05-2014 16:27	Rejected	Rejected	Sales Department	i7	69904
88642	09-05-2014 13:17	Rejected	Rejected	Sales Department	i7	11758
750929	02-05-2014 13:09	Hired	Hire	Service Department	c8	56553
434547	02-05-2014 13:11	Rejected	Rejected	Service Department	c9	22075
538854	01-05-2014 09:00	Rejected	Rejected	Service Department	c9	70069
649039	07-05-2014 10:48	Hired	Hire	Service Department	i4	3207
199526	07-05-2014 10:59	Hired	Hire	Service Department	i4	29668
508803	15-05-2014 09:31	Hired	Hire	Service Department	i7	69914
194009	09-05-2014 12:48	Hired	Hire	Service Department	i7	11758

To find the possible “post-name” for this application id , tried filtering the data only for “Sales-Department” & use MODE to find the most likely “Post”

3

application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
383422	01-05-2014 11:49	Hired	Hire	Operations Department	i4	3207
907518	06-05-2014 08:08	Hired	Hire	Operations Department	i4	29668
176719	06-05-2014 08:08	Rejected	Rejected	Operations Department	i7	69904
429799	02-05-2014 16:28	Rejected	Rejected	Operations Department	i7	11758
253651	02-05-2014 16:32	Hired	Hire	Operations Department	i7	15156
289907	01-05-2014 07:44	Hired	Hire	Sales Department	-	69914
999124	06-05-2014 16:27	Rejected	Rejected	Sales Department	i7	69904
88642	09-05-2014 13:17	Rejected	Rejected	Sales Department	i7	11758
750929	02-05-2014 13:09	Hired	Hire	Service Department	c8	56553
434547	02-05-2014 13:11	Rejected	Rejected	Service Department	c9	22075
538854	01-05-2014 09:00	Rejected	Rejected	Service Department	c9	70069
649039	07-05-2014 10:48	Hired	Hire	Service Department	i4	3207
199526	07-05-2014 10:59	Hired	Hire	Service Department	i4	29668
508803	15-05-2014 09:31	Hired	Hire	Service Department	i7	69914
194009	09-05-2014 12:48	Hired	Hire	Service Department	i7	11758



750929	02-05-2014 13:09	Hired	Hire
434547	02-05-2014 13:11	Rejected	Rejected

application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
383422	01-05-2014 11:49	Hired	Hire	Operations Department	i4	3207
907518	06-05-2014 08:08	Hired	Hire	Operations Department	i4	29668
176719	06-05-2014 08:08	Rejected	Rejected	Operations Department	i7	69904
429799	02-05-2014 16:28	Rejected	Rejected	Operations Department	i7	11758
253651	02-05-2014 16:32	Hired	Hire	Operations Department	i7	15156
289907	01-05-2014 07:44	Hired	Hire	Sales Department	-	69914
999124	06-05-2014 16:27	Rejected	Rejected	Sales Department	i7	69904
88642	09-05-2014 13:17	Rejected	Rejected	Sales Department	i7	11758
750929	02-05-2014 13:09	Hired	Hire	Service Department	c8	56553
434547	02-05-2014 13:11	Rejected	Rejected	Service Department	c9	22075
538854	01-05-2014 09:00	Rejected	Rejected	Service Department	c9	70069
649039	07-05-2014 10:48	Hired	Hire	Service Department	i4	3207
199526	07-05-2014 10:59	Hired	Hire	Service Department	i4	29668
508803	15-05-2014 09:31	Hired	Hire	Service Department	i7	69914
194009	09-05-2014 12:48	Hired	Hire	Service Department	i7	11758

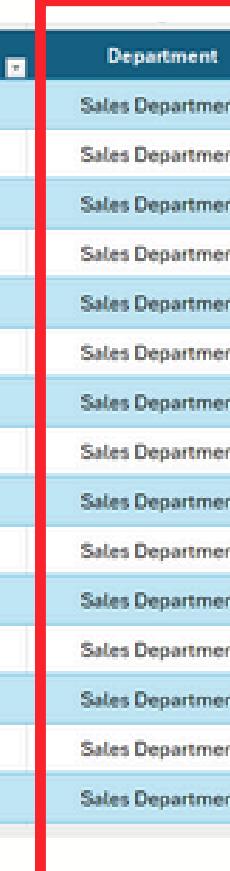
A screenshot of the Excel filter dialog box for the "Department" column. The "Sales Department" checkbox is checked, and the "OK" button is visible at the bottom right.

DATA-CLEANING

Cleaning the “Post-Name” Column, Identifying Blank Cells/Duplicate Values

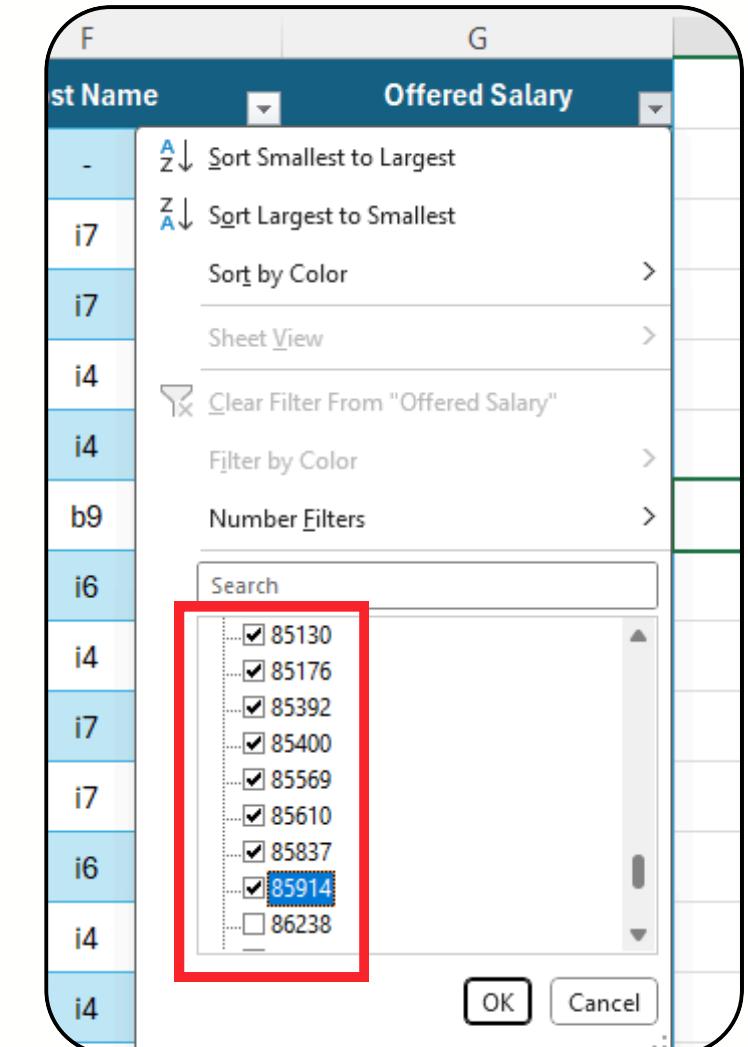


After applying the Filter to “Department”, and Selecting only “Sales-Department”



application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
289907	01-05-2014 07:44	Hired	Male	Sales Department	-	85914
959124	06-05-2014 16:27	Rejected	Male	Sales Department	i7	69904
86642	09-05-2014 13:17	Rejected	Male	Sales Department	i7	11758
765579	01-05-2014 09:26	Rejected	Male	Sales Department	i4	87884
924976	01-05-2014 09:26	Rejected	Male	Sales Department	i4	56229
955372	02-05-2014 09:16	Rejected	Female	Sales Department	b9	85176
15712	03-05-2014 00:36	Rejected	Male	Sales Department	i6	11970
188820	07-05-2014 17:58	Rejected	Male	Sales Department	i4	94869
572422	07-05-2014 08:07	Rejected	Male	Sales Department	i7	61488
114584	07-05-2014 08:08	Rejected	Male	Sales Department	i7	
720850	08-05-2014 22:10	Rejected	Male	Sales Department	i6	80600
453498	08-05-2014 03:12	Hired	Male	Sales Department	i4	62937
550014	08-05-2014 03:15	Rejected	Female	Sales Department	i4	18921
37906	08-05-2014 03:16	Hired	Female	Sales Department	i4	95603
692060	08-05-2014 03:16	Hired	Male	Sales Department	i4	79290

4



5

Now Further FILTER the “Salary” column, based on the Salary around= 85914 to find the probable/most likely to be Post-Name.

DATA-CLEANING

Cleaning the “Post-Name” Column, Identifying Blank Cells/Duplicate Values



After applying the filter to Salary for values around 85914, we are left with only “9” data’s,
Now we may use “MODE / MODE-Function” (**Max. Frequency**) c9=“4-times” to consider the most likely post for application -259907

	A	B	C	D	E	F	G
1	application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
7	289907	01-05-2014 07:44	Hired	Male	Sales Department	-	85914
39	955372	02-05-2014 09:16	Rejected	Female	Sales Department	b9	85176
1323	8822740	07-08-2014 13:42	Rejected	Male	Sales Department	c9	85837
1457	230796	25-08-2014 09:32	Hired	Female	Sales Department	c9	85569
2256	101190	09-05-2014 17:23	Hired	Male	Sales Department	c9	85057
3845	804019	08-07-2014 16:52	Hired	Female	Sales Department	c9	85130
4224	226229	10-07-2014 19:03	Hired	Male	Sales Department	c5	85610
4229	788752	18-07-2014 17:37	Rejected	Male	Sales Department	c5	85392
5527	294317	29-07-2014 17:33	Rejected	Female	Sales Department	b9	85400



After considering MODE (Max Frequency), we arrive at conclusion to **consider “C9” as Post-Name for ID: 259907**



	A	B	C	D	E	F	G
1	application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
142	381096	15-05-2014 09:56	Rejected	Male	Service Department	c10	9390
143	691216	15-05-2014 09:56	Rejected	Male	Service Department	c10	67066
144	567661	15-05-2014 09:57	Rejected	Male	Service Department	c10	8723
145	382645	15-05-2014 09:57	Hired	Male	Service Department	c10	65587
146	767003	15-05-2014 10:01	Hired	Male	Service Department	c10	73396
147	412827	15-05-2014 15:57	Rejected	Male	Service Department	c10	76789
151	105729	15-05-2014 16:13	Rejected	Male	Service Department	c10	80817
173	303466	19-05-2014 13:17	Rejected	Male	Production Department	c10	81257
174	549934	19-05-2014 13:18	Rejected	Male	Production Department	c10	59735
178	299540	20-05-2014 17:03	Rejected	Female	General Management	c10	98404
179	66052	20-05-2014 17:04	Rejected	Male	General Management	c10	58443
180	372707	20-05-2014 17:05	Rejected	Female	General Management	c10	92123
181	703540	20-05-2014 17:06	Hired	Female	General Management	c10	77027
182	838911	20-05-2014 17:03	Hired	Male	General Management	c10	98822
183	51314	20-05-2014 17:05	Hired	Female	General Management	c10	18661
184	716333	20-05-2014 17:03	Hired	Don't want to say	General Management	c10	71461
199	826902	21-05-2014 12:35	Rejected	Female	Finance Department	c10	23823
209	150277	22-05-2014 22:18	Rejected	Male	Sales Department	c10	91928

DATA-CLEANING

Cleaning the "Gender_Name" Column, Identifying Blank Cells/Duplicate Values



After applying the filter to "Gender name" column, found some cells containing "-", apart from "male", "female", "Don't want to say" Genders.

1

application_id Interview Taken on Status event_name

363422	01-05-2014 11:40	Hired	Service Department
907518	06-05-2014 08:08	Hired	Service Department
176719	06-05-2014 08:08	Rejected	Service Department
429709	02-05-2014 16:28	Rejected	Operations Department
253651	02-05-2014 16:32	Hired	Operations Department
289907	01-05-2014 07:44	Hired	Sales Department
959124	06-05-2014 16:27	Rejected	Sales Department
86642	09-05-2014 13:17	Rejected	Sales Department
751029	02-05-2014 13:09	Hired	Service Department
404547	02-05-2014 13:11	Rejected	Service Department
518854	01-05-2014 09:00	Rejected	Service Department
649039	07-05-2014 10:48	Hired	Service Department
198526	07-05-2014 10:50	Hired	Service Department
539803	15-05-2014 09:31	Hired	Service Department

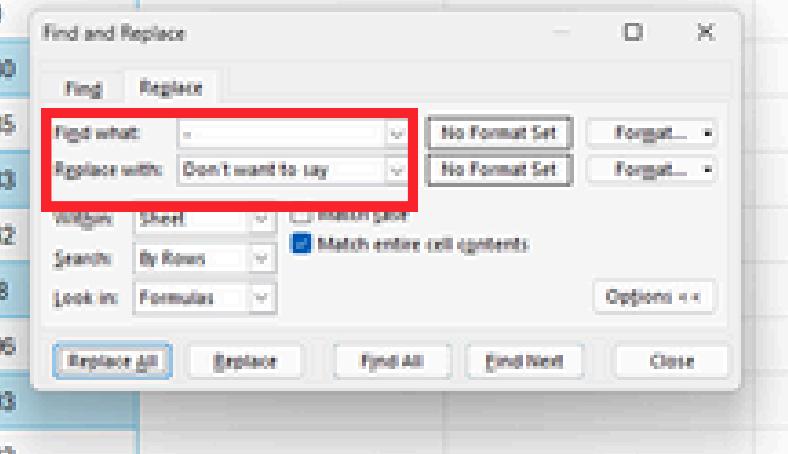


To correct the discrepancy, considered replacing the "-" hyphen, with "Don't want to say" as the gender for applicant

2

event_name Department Post Name Offered Salary

Don't want to say	Service Department	c7	81767
Don't want to say	Service Department	c5	100
Don't want to say	Operations Department	c9	76730
Don't want to say	Operations Department	c10	25785
Don't want to say	Operations Department	c5	25883
Don't want to say	Sales Department	c5	80262
Don't want to say	Service Department	c5	4308
Don't want to say	Purchase Department	c5	96396
Don't want to say	Service Department	c5	22393
Don't want to say	Marketing Department	c9	94002



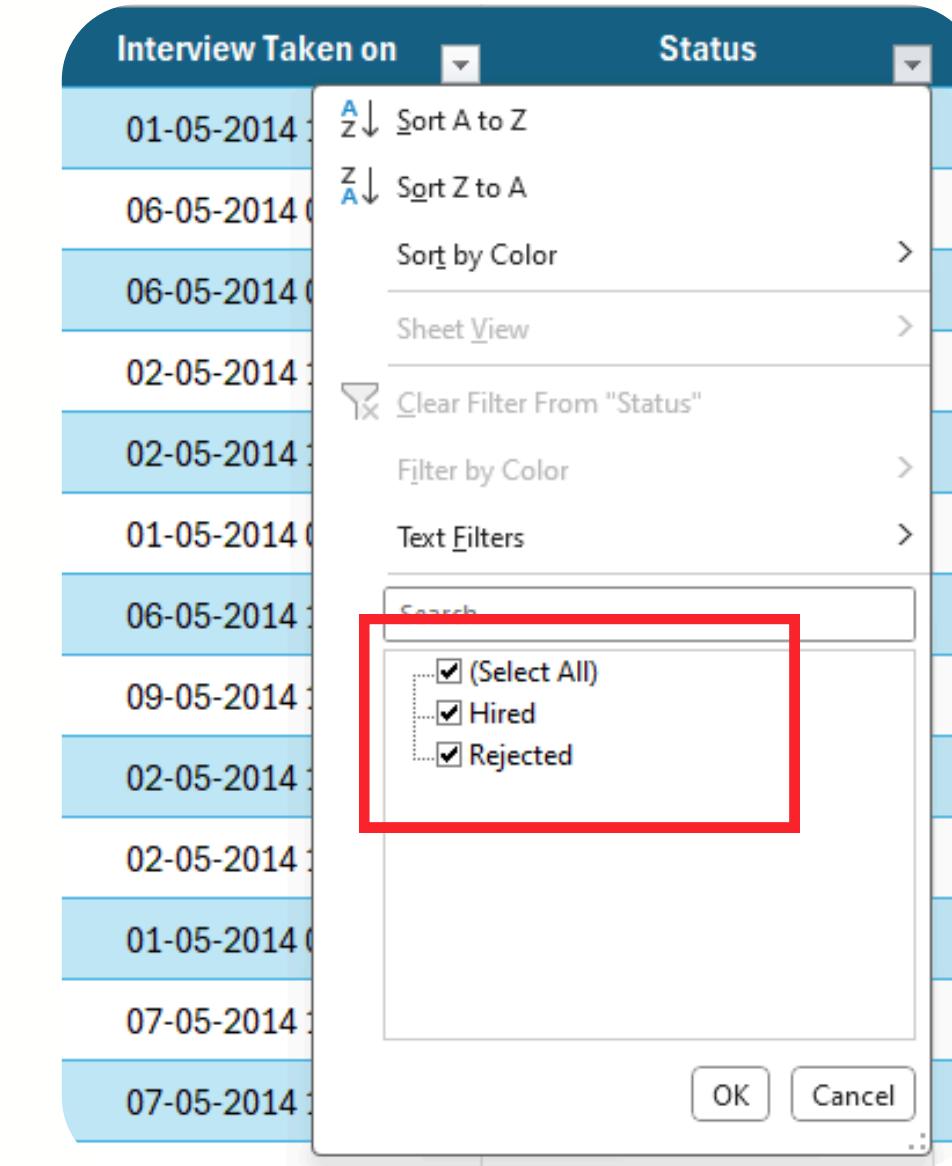
DATA-CLEANING

Cleaning the "Status" Column, Identifying Blank Cells/Duplicate Values



After applying the filter to "STATUS" column, all the values seems correct, error-free.

1



2

Consider Moving with Next-Column

DATA-CLEANING

Cleaning the “Interview Taken On” Column, Identifying Blank Cells/Duplicate Values



After applying the filter to “STATUS” column, all the values seems correct, error-free.
The column contains data for year 2014 , with months as :May, June, July, August

1

The screenshot shows a spreadsheet interface with two columns: 'application_id' and 'Interview Taken on'. The 'Interview Taken on' column has a context menu open, specifically the 'Filter by Color' option. A red box highlights the '2014' filter under this section, which includes checkboxes for May, June, July, and August. Other options in the menu include 'Sort Oldest to Newest', 'Sort Newest to Oldest', 'Sort by Color', 'Sheet View', 'Clear Filter From "Interview Taken on"', and 'Date Filters'.



2

Consider Moving with Next-Column

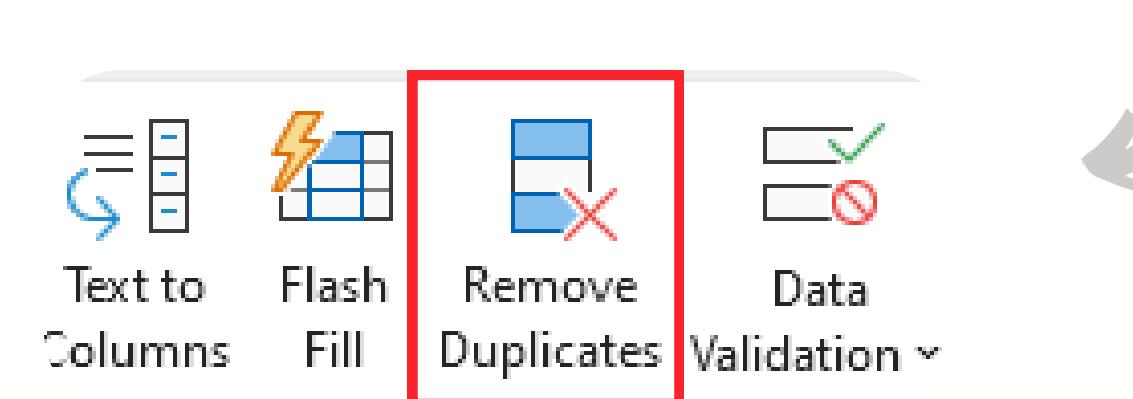


DATA-CLEANING

Cleaning the “Application_id” Column, Identifying Blank Cells/Duplicate Values

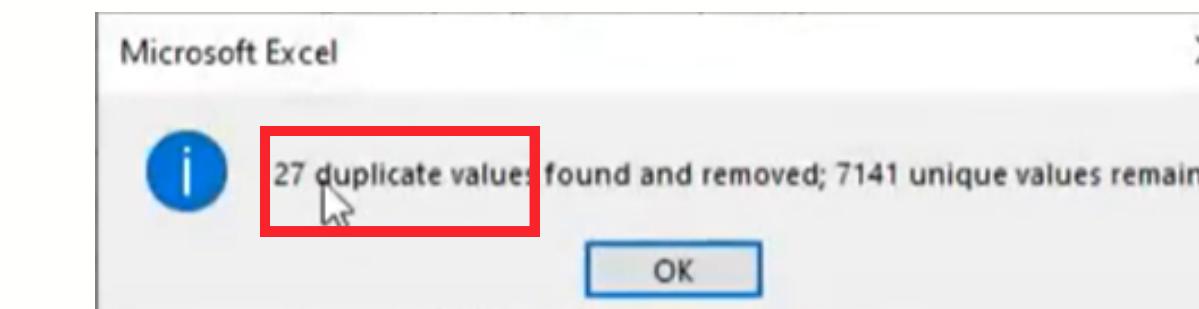


- 1 After applying the Filter to “Application_Id”, check for blank-values using “Remove-Duplicate” or filter.
- 2 No Blank-Values found for Application_id.
- 3 Now, check for any Duplicate-Values, Under the “Data-Ribbon”, choose “Remove-Duplicates”, to find any duplicate-values.



Post checking for Duplicate-Values, Found 27 duplicate values, with 7141 unique values.

4

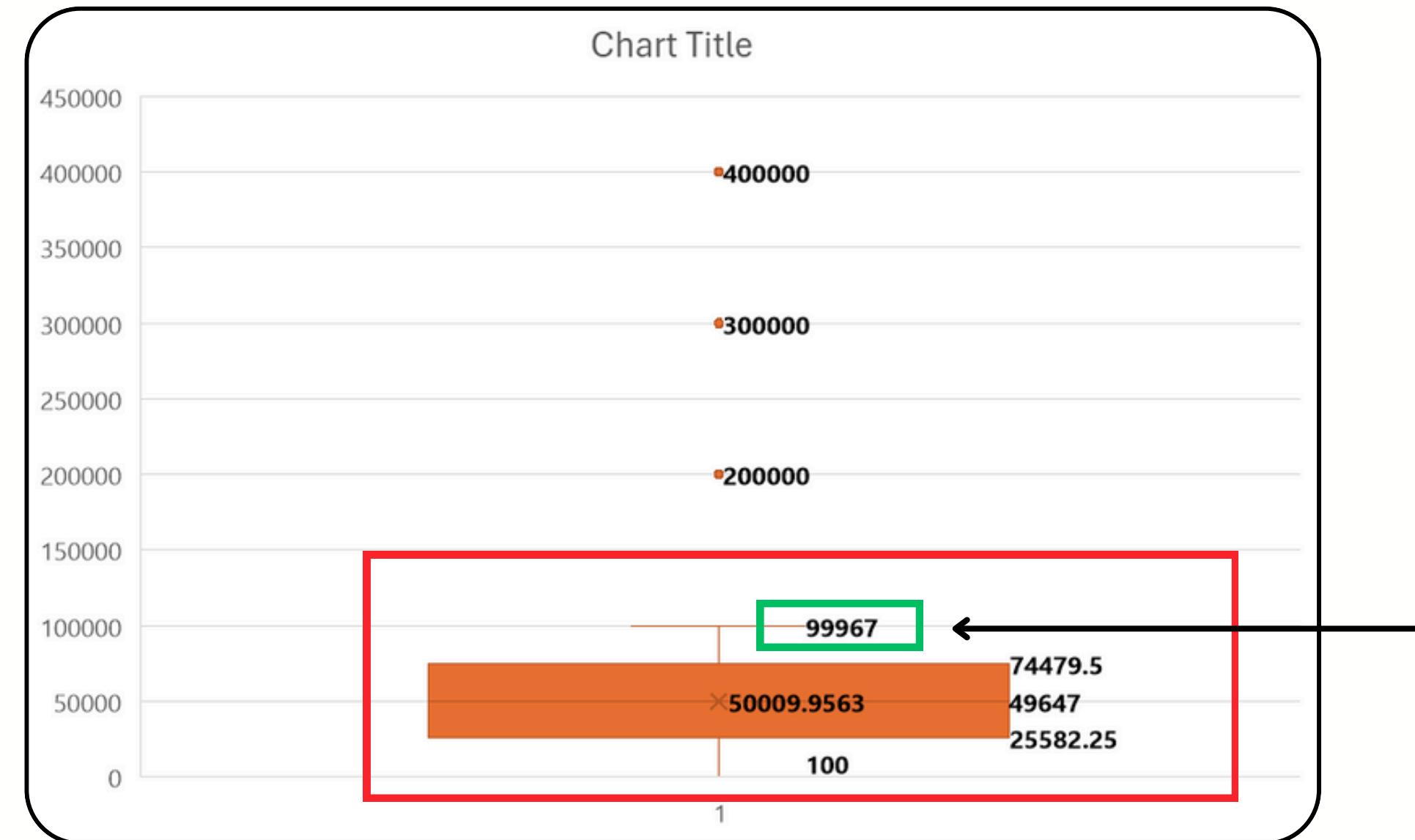


DATA-CLEANING

Cleaning the “Application_id” Column, Identifying Blank Cells



- 1 Selected the “Offered_Salary” column, and inserted the Chart (Box & Whisker) for Outliers.



HIRING ANALYSIS



1) Task: Determine the gender distribution of hires. How many males and females have been hired by the company?

1

1

Used “**Countifs**” Formula to determine the gender-wise Hiring

2

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FORMULA BASED CALCULATIONS:

FORMULA USED	Count Ifs
Males Candidates Hired	2552
Female Candidates Hired	1850
Other Genders Hired	277
Total Candidates Hired	4679

FORMULA USAGE
=COUNTIFS('Cleaned Data'!D:D,"Male",'Cleaned Data'!C:C,"Hired")
=COUNTIFS('Cleaned Data'!D:D,"Female",'Cleaned Data'!C:C,"Hired")
=COUNTIFS('Cleaned Data'!D:D,"Don't want to say",'Cleaned Data'!C:C,"Hired")
=SUM(C23:C27)

HIRING ANALYSIS



1) Task: Determine the gender distribution of hires. How many males and females have been hired by the company?

1

2

Can Use **Pivot-Table** to determine the gender-wise Hiring done.

2

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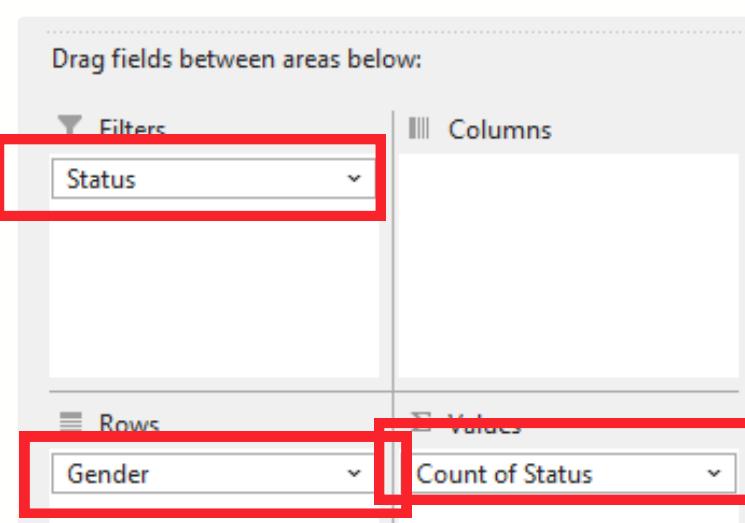
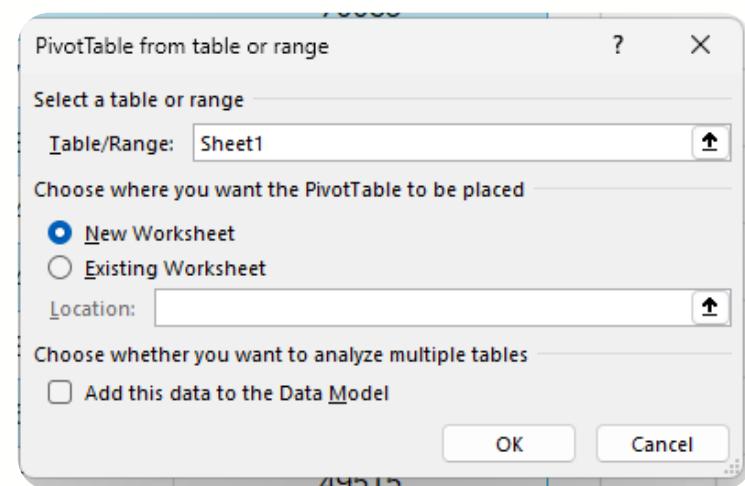
6

7

8

9

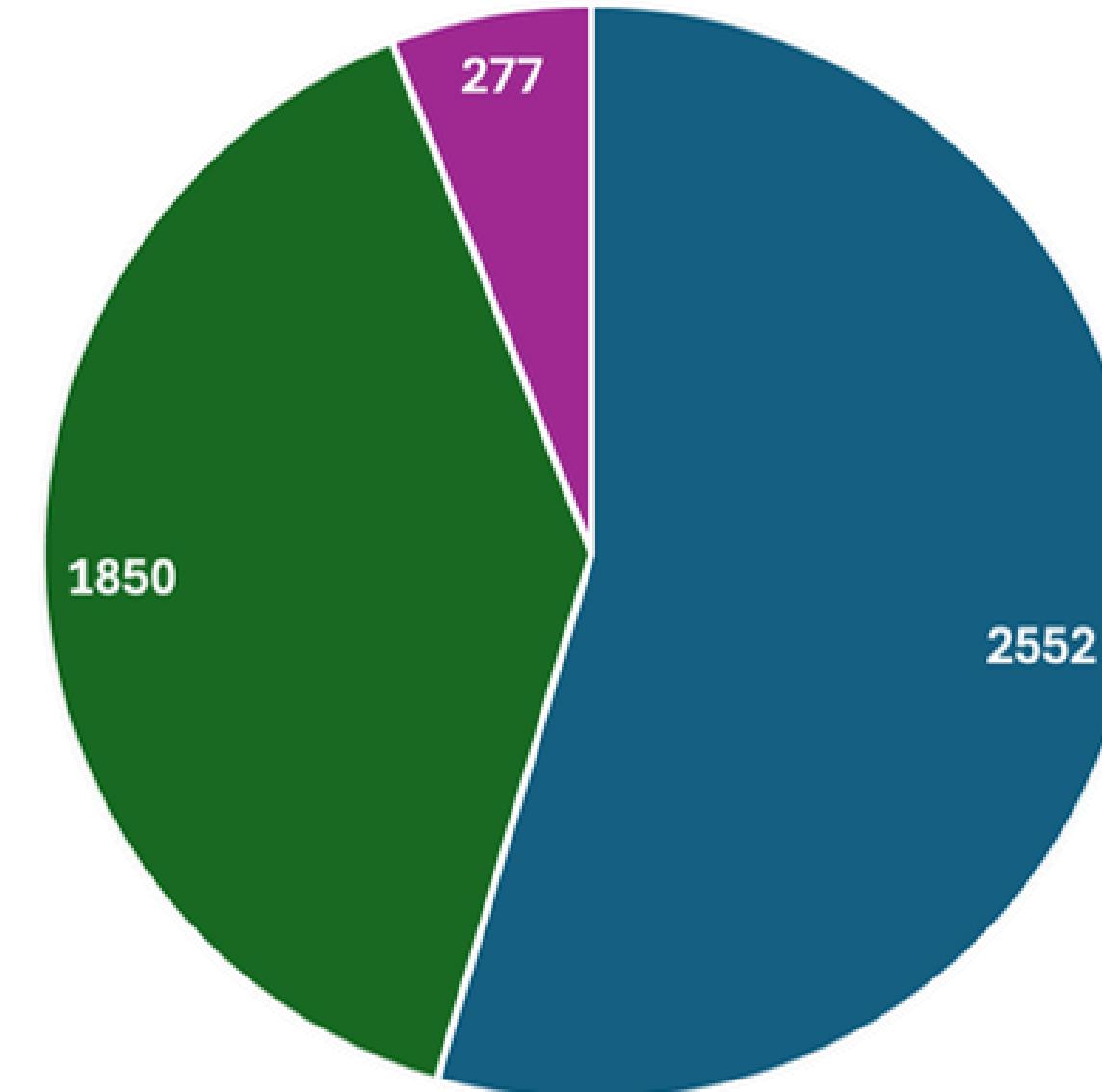
Status		Hired
Row Labels		Count of Status
Don't want to say		277
Female		1850
Male		2552
Grand Total		4679



HIRING ANALYSIS



1) Task: Determine the gender distribution of hires. How many males and females have been hired by the company?



■ Males Candidates Hired

■ Female Candidates Hired

■ Other Genders Hired

1

2

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9

HIRING ANALYSIS



1) Task: What is the average salary offered by this company? Use Excel functions to calculate this.

1

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1

Used “**Averageifs**” Formula to determine the average salary offered by this company.

AVERAGE SALARY DEPARTMENT WISE USING FORMULA

AVERAGE SALARY DEPARTMENT WISE

DEPARTMENT	RESULT
Service - Department	50666.73839
Operations - Department	49129.95583
Sales - Department	49403.74966
Human Resource - Department	49448.63542
Finance - Department	49759.29617
General - Department	50666.73839
Marketing - Department	48489.93538
Productions - Department	49518.3562
Purchase - Department	52669.63855

FORMULA USED : "AVERAGEIFS"

FORMULA USAGE
=AVERAGEIFS('Cleaned Data'!H:H,'Cleaned Data'!E:E,"Operations Department")
=AVERAGEIFS('Cleaned Data'!H:H,'Cleaned Data'!E:E,"Human Resource Department")
=AVERAGEIFS('Cleaned Data'!H:H,'Cleaned Data'!E:E,"Service Department")
=AVERAGEIFS('Cleaned Data'!H:H,'Cleaned Data'!E:E,"Production Department")

HIRING ANALYSIS



1) Task: What is the average salary offered by this company? Use Excel functions to calculate this.

1

2

3

4

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HIRING ANALYSIS



1) Task: Create class intervals for the salaries in the company. This will help you understand the salary distribution.

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Class intervals represent ranges of values, in this case, salary ranges. The class interval is the difference between the upper and lower limits of a class.

Your Task: Create class intervals for the salaries in the company.

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This will help you understand the salary distribution.

HIRING ANALYSIS



1) Task: Create class intervals for the salaries in the company. This will help you understand the salary distribution.

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HIRING ANALYSIS



1) Task D: Use a pie chart, bar graph, or any other suitable visualization to show the proportion of people working in different departments.

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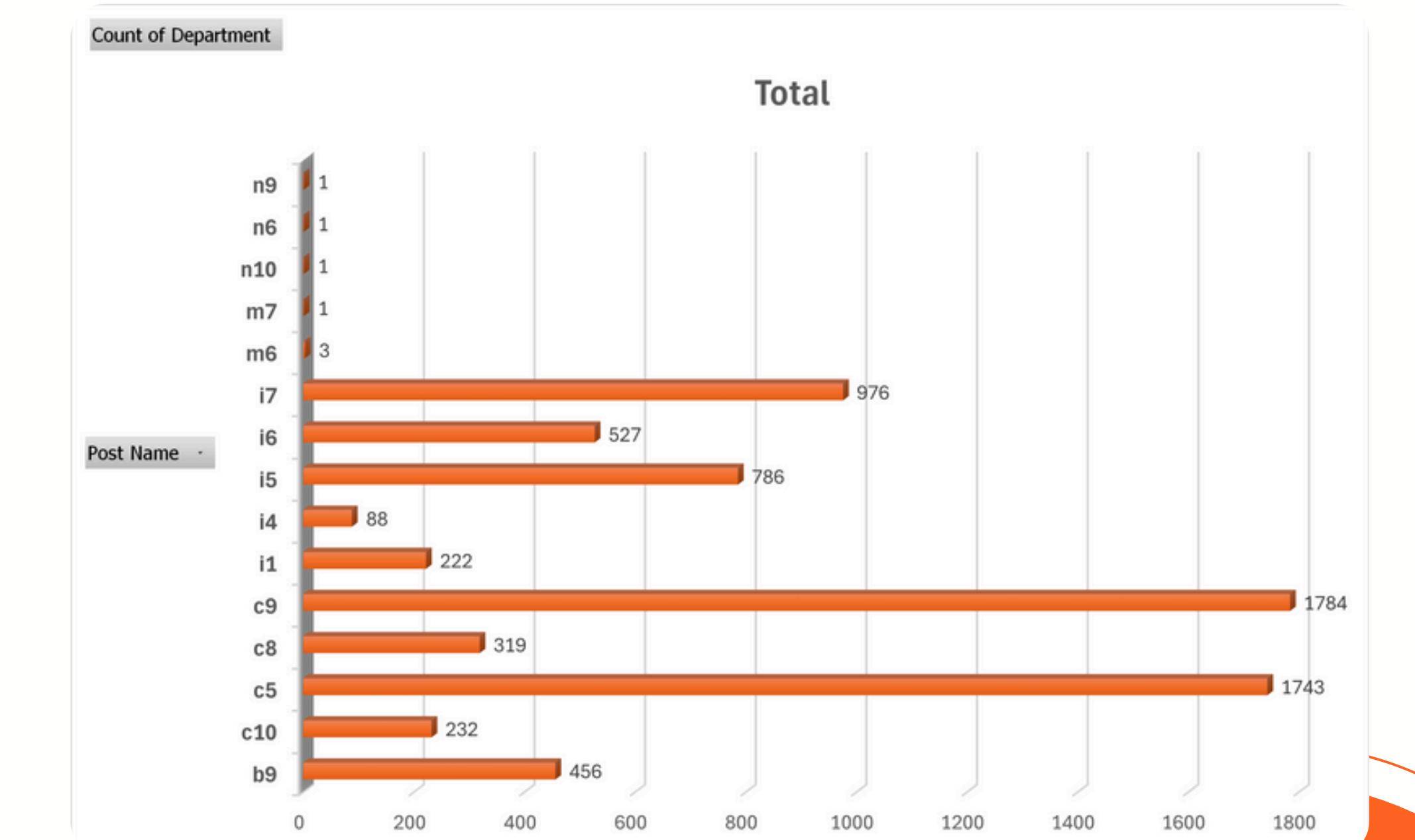
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Used “Pivot-table” to find the proportion of people working in different departments.

Row Labels	Count of Department
b9	456
c10	232
c5	1743
c8	319
c9	1784
i1	222
i4	88
i5	786
i6	527
i7	976
m6	3
m7	1
n10	1
n6	1
n9	1
Grand Total	
	7140



HIRING ANALYSIS



1) Task E: Use a chart or graph to represent the different position tiers within the company. This will help you understand the distribution of positions across different tiers.

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Further filtered the pivot table , to find the department wise proportion.

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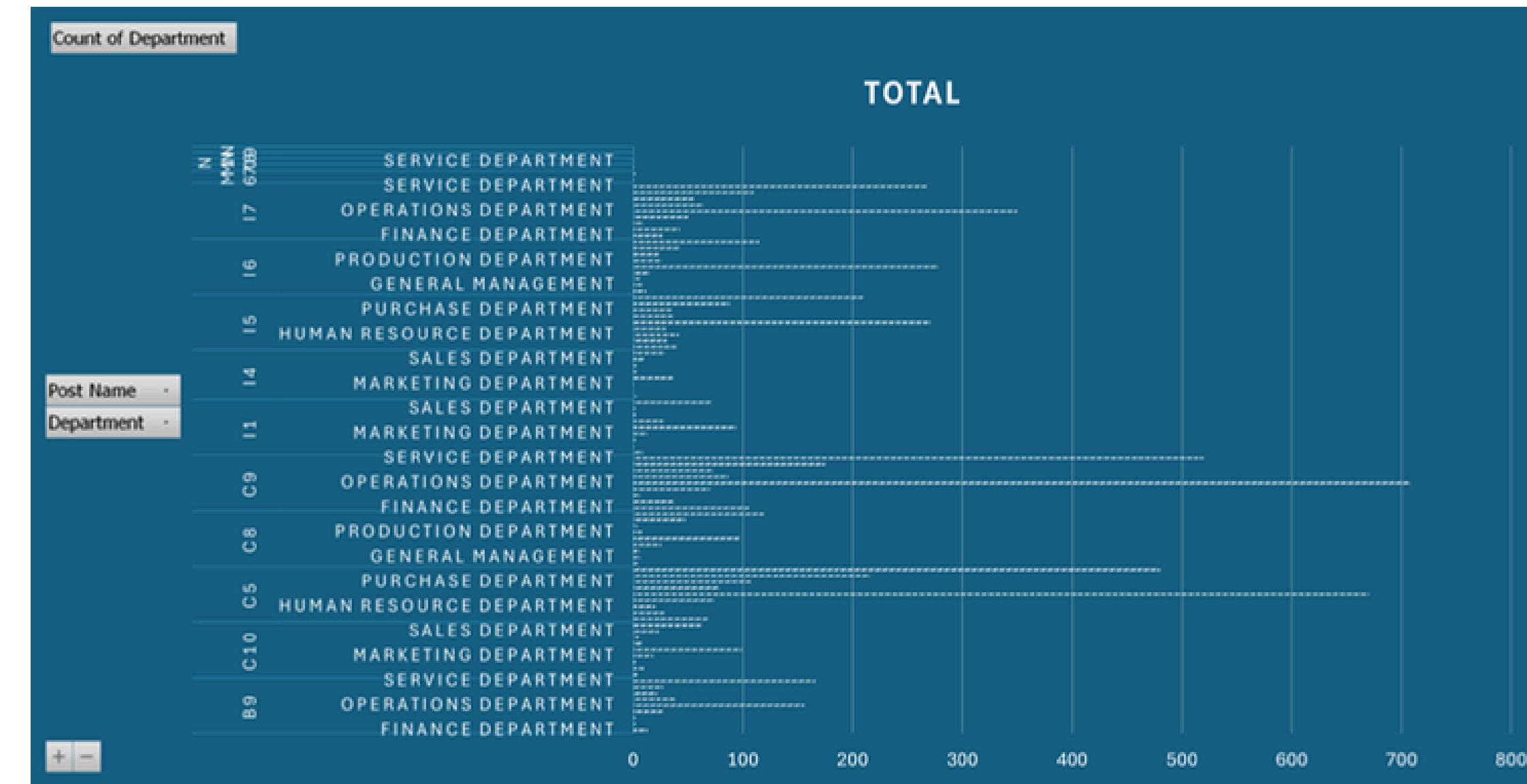
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Row Labels	Count of Department
b9	456
Finance Department	13
General Management	2
Human Resource Department	2
Marketing Department	28
Operations Department	156
Production Department	39
Purchase Department	22
Sales Department	28
Service Department	166
c10	232
Finance Department	4
General Management	10
Human Resource Department	2
Marketing Department	18
Operations Department	99
Production Department	8
Purchase Department	5
Sales Department	23
Service Department	63
c5	1743
Finance Department	68



Findings

1. Gender Distribution of Hires

- Analysis: Using Excel, we analyzed the dataset for gender distribution in the hiring records. A pivot table was used to summarize the number of male and female hires.
- Finding: Out of the total hires:
 - Males: 54.54% of the total hires.
 - Females: 39.53% of the total hires.
- Insight: There is a gender imbalance in the hiring process. This may indicate the need to focus on diversity initiatives.

2. Average Salary Analysis

- Analysis: We used the =AVERAGE() function in Excel to calculate the mean salary.
- Insight: This data point provides a benchmark for understanding the company's compensation trends and helps evaluate if the salaries align with market standards.



Excel File:

<https://docs.google.com/spreadsheets/d/1J6XKlpgr5qcg0dEN2KleFg8kCreyxTk/edit?usp=sharing&ouid=103428047773693985368&rtpof=true&sd=true>

Findings

3. Salary Distribution

- Analysis: Salary data was grouped into class intervals using Excel's histogram feature .
- Insight: The data shows a concentration of salaries in the mid-range, with fewer employees in higher salary brackets. This indicates potential growth limitations or senior-level hiring restrictions.

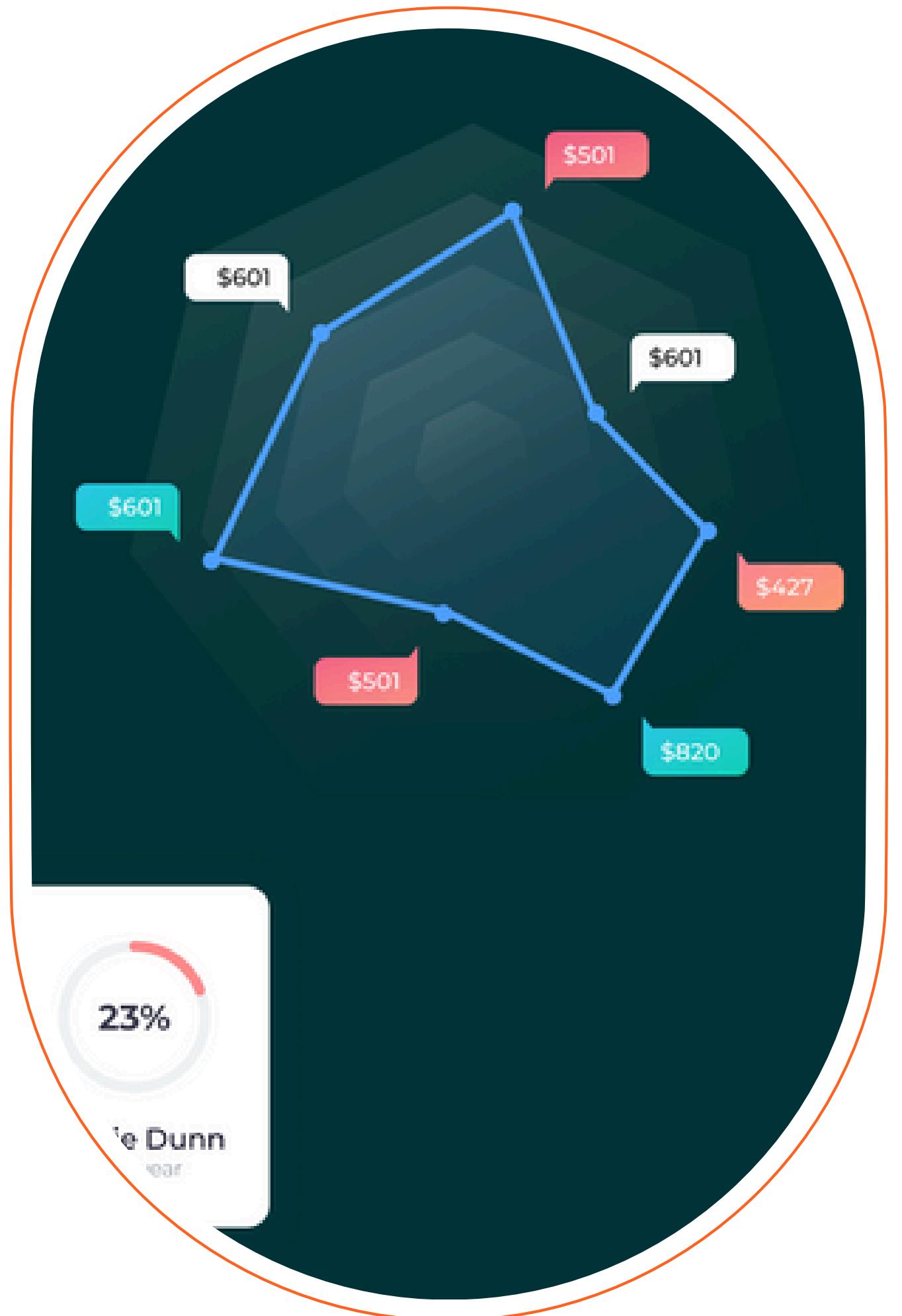
4. Departmental Analysis

- Analysis: A pie chart was created to visualize the proportion of employees across various departments.
- Finding:
 - Operations Dept: 38%
 - HR: 1.34%
- Insight: Operations is the most dominant department in terms of headcount, while HR and others have the least representation.

Findings

The Hiring Process Analytics project provided a comprehensive understanding of the company's recruitment trends and identified several actionable insights:

- **Gender Diversity:** The company's hiring process is skewed towards male candidates. Introducing diversity initiatives and programs may help achieve a more balanced workforce.
- **Departmental Distribution:** Operations dominates the workforce, while other departments like HR have a smaller presence. This distribution aligns with the company's core focus but also suggests room for growth in support and strategic departments.
- **Position Distribution:** The pyramid structure shows a strong focus on hiring at junior and mid-level positions. There might be potential for enhancing leadership development programs to prepare employees for senior-level roles.
- **Data Integrity:** Addressing missing data and outliers helped improve the accuracy and reliability of the analysis.



Thank
you

