# HIRING PROCESS ANALYTICS

## Project Description:

As a data analyst data wrangling is important. This involves handling missing data, simplifying the dataset, detecting and dealing with outliers, and summarizing your findings. Therefore, the main goal is to provide meaningful conclusions that can help the company enhance its hiring process and decision-making.

In this project, I am analyzing hiring process data to gain insights from about records of previous hires within a multinational company. By analyzing this data, I am aiming to uncover valuable trends and information about the company's hiring process, which can contribute to making informed decisions and improvements for the future.

#### **Approach:**

#### A. Hiring Analysis

Determining the gender distribution of hires. Calculating the number of males and females that have been hired by the company.

#### B. Salary Analysis

Calculating the average salary offered by the company using Excel functions.

#### C. Salary Distribution

Creating class intervals for the salaries in the company. This will help in visualizing and understanding the distribution of salaries.

#### D. Departmental Analysis

Utilizing a suitable visualization, such as a pie chart or bar graph, to represent the proportion of employees working in different departments.

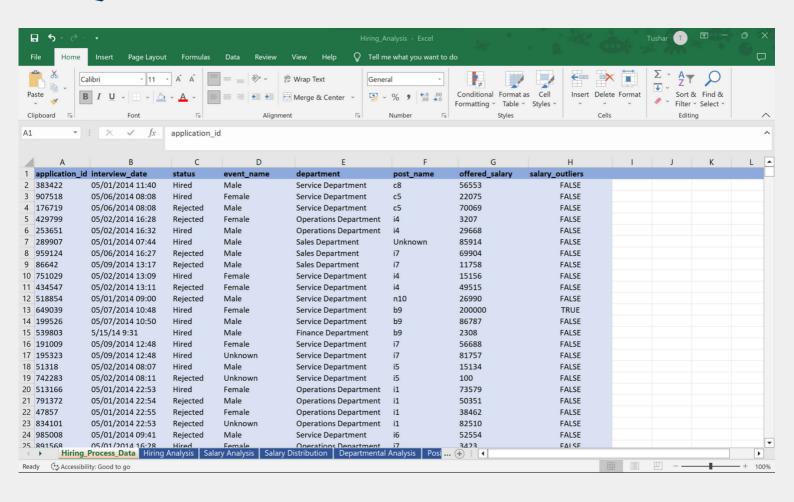
#### E. Position Tier Analysis

Using a chart or graph to illustrate the distribution of different position tiers within the company.

#### **Tech-Stack Used:**

The project utilized MS-EXCEL, a powerful tabular Data tool. I used Excel to query and analyse the data, thanks to its robust support and data manipulation capabilities.

#### **Data Wrangled**



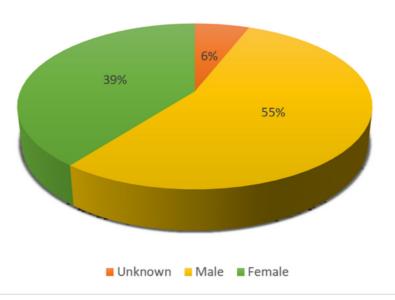


## A. Hiring Analysis

## **Hiring Analysis**

Gender	<b>Hired Employess</b>	All People
Unknown	278	408
Male	2563	4085
Female	1856	2675
Total	4697	7168





## **B. Salary Analysis**

#### **Salary Analysis**

	Q1	Q3		IQR	Lower	Upper	Min	Max	
	25452.75		74429	48976.25	-48011.6	147893.	375	0	400000
Outliers Count					0		3		

Avg Total Salary offered without Outliers \$ 49878 Avg Total Salary offered with Outliers \$ 49976

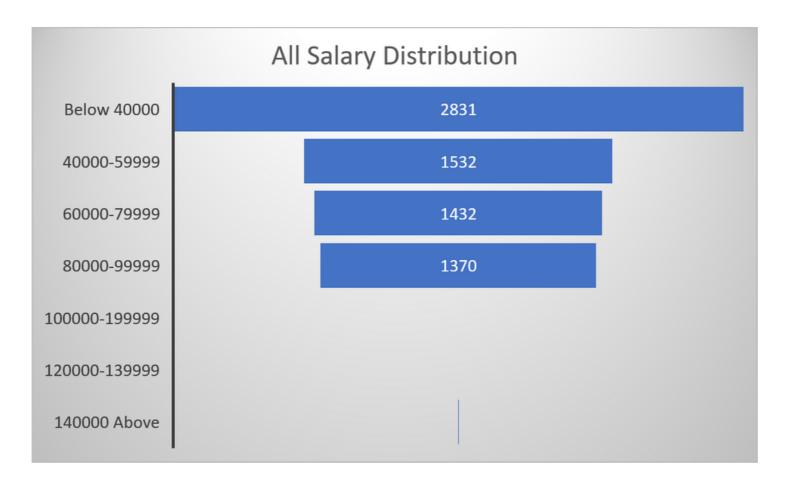
## C. Salary Distribution

## **Salary Distribution**

Class	Lower	Upper	Hired Frequency	<b>Total Frequency</b>
Below 40000	0	39999	1870	2831
40000-59999	40000	59999	1022	1532
60000-79999	60000	79999	929	1432
80000-99999	80000	99999	873	1370
100000-199999	100000	119999	0	0
120000-139999	120000	139999	0	0
140000 Above	140000	400000	3	3
Total			4697	7168



## C. Salary Distribution





#### D. Departmental Analysis

#### **Departmental Analysis**

Departments	No. Hired	No. All	% Hired	% All
Finance Department	176	288	3.75	4.02
General Management	113	172	2.41	2.40
Human Resource Department	70	97	1.49	1.35
Marketing Department	202	325	4.30	4.53
Operations Department	1843	2771	39.24	38.66
Production Department	246	380	5.24	5.30
Purchase Department	230	333	4.90	4.65
Sales Department	485	747	10.33	10.42
Service Department	1332	2055	28.36	28.67
Total	4697	7168	100.00	100.00



## D. Departmental Analysis



## **E. Position Tier Analysis**

#### **Position Tier Analysis**

	Male	Female	Unknown
Post	Hired	Hired	Hired
b9	177	114	17
c-10	59	40	6
c5	634	487	61
с8	118	64	11
с9	656	502	81
i1	87	57	7
i4	14	15	3
i5	288	184	39
i6	195	130	12
i7	333	261	41
m6	1	1	0
m7	0	0	0
n6	0	1	0
n9	0	0	0
n10	0	0	0
Unknown	1	0	0
Total	2563	1856	278

#### Posts hired by Gender



## **E. Position Tier Analysis**

#### **Position Tier Analysis**

	Below 40000	40000-59999	60000-79999	80000-99999	100000-199999	120000-139999	140000 Above
Post	Hired	Hired	Hired	Hired	Hired	Hired	Hired
b9	119	68	74	46	0	0	1
c-10	41	21	25	18	0	0	0
с5	471	261	214	236	0	0	0
с8	80	36	32	45	0	0	0
с9	475	271	260	233	0	0	0
i1	69	31	26	25	0	0	0
i4	14	5	9	3	0	0	1
i5	205	109	103	94	0	0	0
i6	138	84	70	45	0	0	0
i7	256	135	116	127	0	0	1
m6	2	0	0	0	0	0	0
m7	0	0	0	0	0	0	0
n6	0	1	0	0	0	0	0
n9	0	0	0	0	0	0	0
n10	0	0	0	0	0	0	0
Unknown	0	0	0	1	0	0	0
Total	1870	1022	929	873	0	0	3

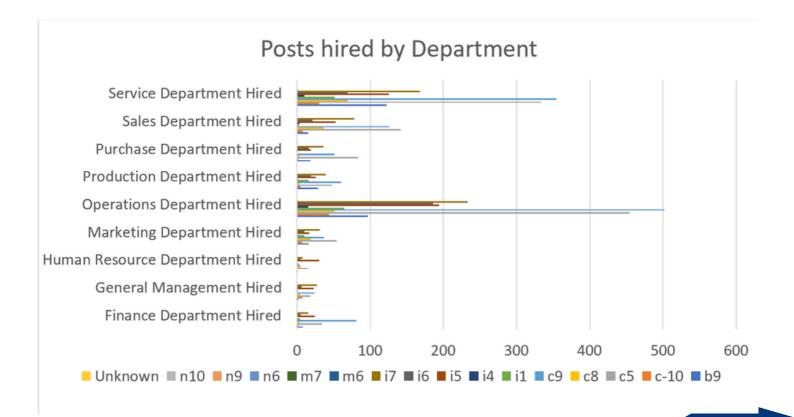
#### Posts hired by Salary intervals



## E. Position Tier Analysis

#### **Position Tier Analysis**

	Finance	General	<b>Human Resource</b>	Marketing	Operations	Production	Purchase	Sales	Service
	Department	Management	Department	Department	Department	Department	Department	Department	Department
Post	Hired	Hired	Hired	Hired	Hired	Hired	Hired	Hired	Hired
b9	8	2	1	16	97	29	18	15	122
c-10	2	7	0	7	44	5	2	8	30
c5	34	18	15	54	455	48	83	142	333
c8	3	4	5	19	51	3	3	36	69
с9	81	24	4	37	502	60	51	126	354
i1	4	1	2	10	65	16	0	2	51
i4	0	1	0	1	15	1	1	3	10
i5	24	23	30	17	194	26	19	53	125
i6	5	6	5	10	186	19	16	21	69
i7	15	27	8	31	233	39	36	78	168
m6	0	0	0	0	1	0	0	0	1
m7	0	0	0	0	0	0	0	0	0
n6	0	0	0	0	0	0	1	0	0
n9	0	0	0	0	0	0	0	0	0
n10	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	1	0
Total	176	113	70	202	1843	246	230	485	1332



## **Insights**

- Most hired individuals are males, 6% prefer not to state gender.
- Avg. Total Salary offered without Outliers is \$49878
- Avg. Total Salary offered with Outliers is \$49976
- 2892 employees had salary below \$60000 out of total 4697 hired.
- 1802 employees had salary above \$60000 and below \$100000 out of total 4697 hired.
- Operation department had highest hires with 1843, followed by Service department with 1332.
- Same trend for department for all non hired individual as well.
- Post c5 & c9 had the highest hired individuals, majority were males.
- Post m6, m7, n6, n9, n10 were almost non existence.
- Post c5 & c9 had majority of employees with salary below \$40000.
- Post c5 & c9 employees mostly belonged to Operations Department.
- Service department also followed the same trends.