



## **Data Collection and Preprocessing Phase**

Date	31 June 2024			
Team ID	740677			
Project Title	Software Salary Prediction			
Maximum Marks	6 Marks			

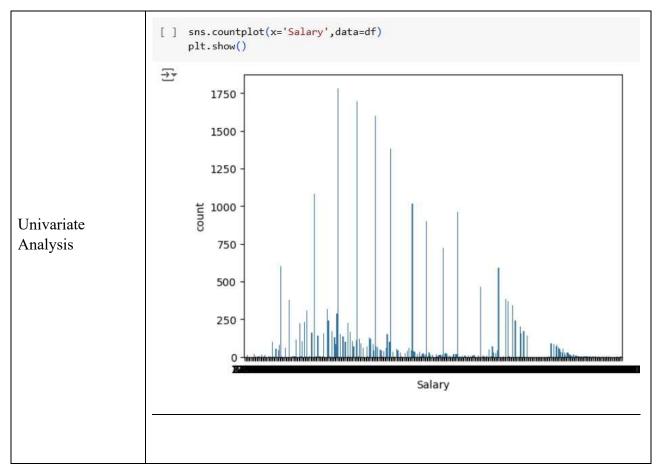
## **Data Exploration and Preprocessing**

Dataset gets statistically analysed to identify patterns and outliers. Data preprocessing addresses missing values, improving data quality for further analysis and modelling, and forming a strong foundation for insights and predictions.

Descripti	ive Statist		Job Title 22770.000000	5əlary 2.277000e+04	Salaries Reported	Location	Employment Status	Job Roles
count	22770.000000					Location	Employment Status	Job Roles
5724 VIII	22770.000000							
mean	3 018213			4-47 (NUUVETUR	22770.000000	22770.000000	22770.000000	22770.000000
	20110513	5478.825209	597.435968	6.953872e+05	1.855775	3.150812	1.071322	5.465086
std	0.519675	3224.603280	348.305504	8.843990e+05	6.823668	3.529116	0.342450	3.221966
min	1.000000	0.000000	0.000000	2.112000e+03	1.000000	0.000000	0.000000	0.00000
25%	3.700000	2756.000000	237,000000	3.000000e+05	1.000000	0.000000	1.000000	3.000000
50%	3,900000	5317,500000	753.000000	5.000000e+05	1,000000	2.000000	1,000000	7.000000
75%	4.200000	8336.000000	850.000000	9.000000e+05	1.000000	8.000000	1.000000	8.000000
max	5.000000	11260.000000	1079.000000	9.000000e+07	361.000000	9.000000	3.000000	10.000000
	25% 50% 75%	25% 3.700000 50% 3.900000 75% 4.200000	25%         3.700000         2756.000000           50%         3.900000         5317.500000           75%         4.200000         8336.000000	25%         3.700000         2756.000000         237.000000           50%         3.900000         5317.500000         753.000000           75%         4.200000         8336.000000         850.000000	25%         3.700000         2756.000000         237.000000         3.000000e+05           50%         3.900000         5317.500000         753.000000         5.000000e+05           75%         4.200000         8336.000000         850.000000         9.000000e+05	25%     3.700000     2756.000000     237.000000     3.000000e+05     1.000000       50%     3.900000     5317.500000     753.000000     5.000000e+05     1.000000       75%     4.200000     8336.000000     850.000000     9.000000e+05     1.000000	25%         3.700000         2756.000000         237.000000         3.000000e+05         1.000000         0.000000           50%         3.900000         5317.500000         753.000000         5.000000e+05         1.000000         2.000000           75%         4.200000         8336.000000         850.000000         9.000000e+05         1.000000         8.000000	25%         3.700000         2756.000000         237.000000         3.000000e+05         1.000000         0.000000         1.000000           50%         3.900000         5317.500000         753.000000         5.000000e+05         1.000000         2.000000         1.000000           75%         4.200000         8336.000000         850.000000         9.000000e+05         1.000000         8.000000         1.000000

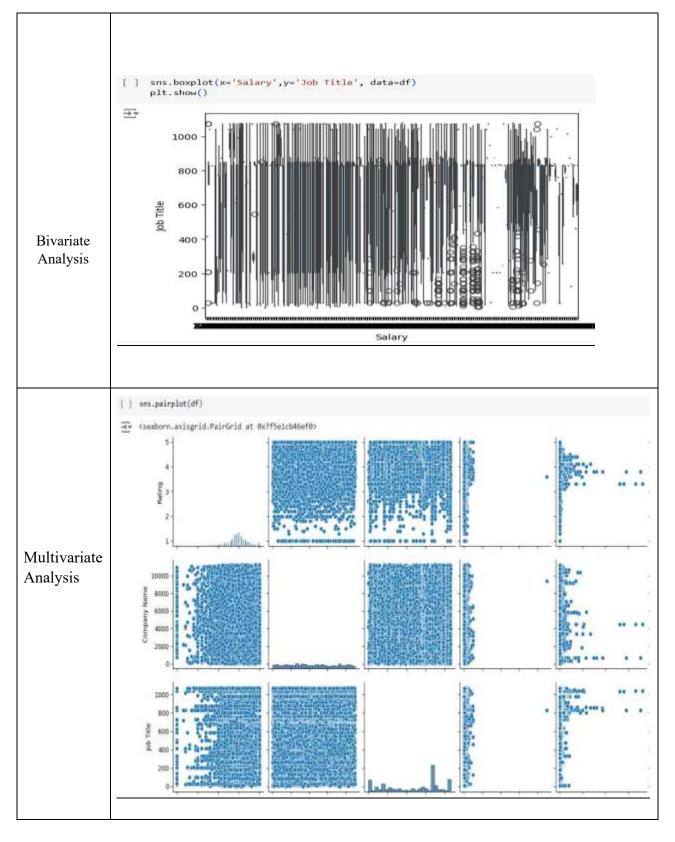
















Outliers and Anomalies			

## **Data Preprocessing Code Screenshots**

	df =	pd.r	ead_csv('Salary_Dataset_wi	th_Extra_Featu	res.csv'	)			
	df.h	ead()							
	F	ating	Company Name	Job Title	Salary	Salaries Reported	Location	Employment Status	Job Roles
	0	3.8	Sasken	Android Developer	400000	3	Bangalore	Full Time	Android
	1	4.5	Advanced Millennium Technologies	Android Developer	400000	3	Bangalore	Full Time	Android
	2	4.0	Unacademy	Android Developer	1000000	3	Bangalore	Full Time	Android
	3	3.8	SnapBizz Cloudtech	Android Developer	300000	3	Bangalore	Full Time	Android
Loading	4	4.4	Appoids Tech Solutions	Android Developer	600000	3	Bangalore	Full Time	Android
Data			1177.7				30		
			# Column  0 Rating	2		ll Count D  non-null f	type  loat64		
			1 Company N			non-null c	2000 - 100 C		
			2 Job Title			non-null c	(C) (T)		
			3 Salary			non-null i			
				Reported 2					
				t Status 2		non-null d			
Handling			7 Job Roles			non-null c			
Missing							ojecc		
Values	dtypes: float64(1), int64(2), object(5) memory usage: 1.4+ MB								





Data Transformation	
Feature Engineering	
Save Processed Data	