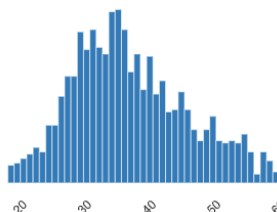


## Project Development Phase Model Performance Test

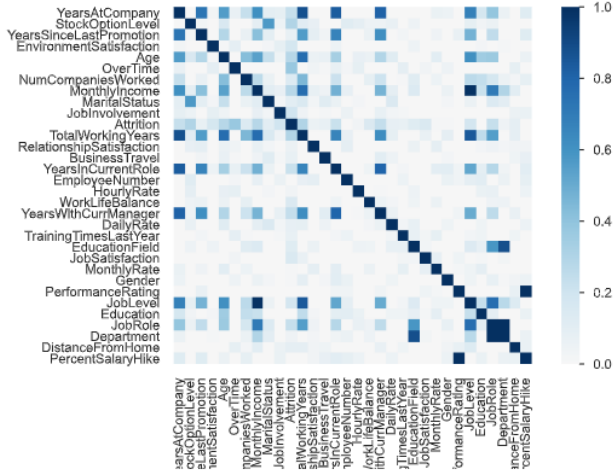
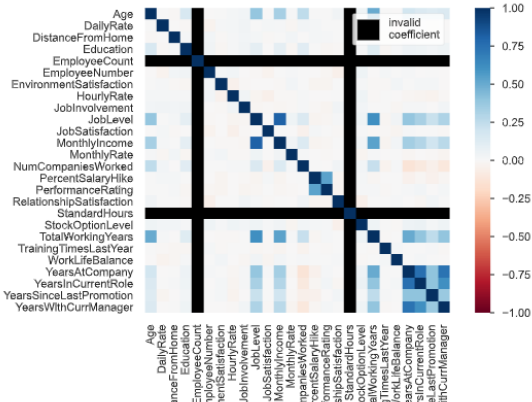
Date	10 November 2022
Team ID	PNT2022TMID27605
Project Name	Project - Corporate Employee Attrition Analytics
Maximum Marks	10 Marks

### Model Performance Testing:

Project team shall fill in the following information in the model performance testing template.

S.No.	Parameter	Screenshot / Values																								
1.	Dashboard design	<div>No of Visualizations / Graphs - 6</div> <div><div>Age</div><div>Real number (<math>\mathbb{R}_{\geq 0}</math>)</div><table><tr><td>Distinct</td><td>43</td></tr><tr><td>Distinct (%)</td><td>2.9%</td></tr><tr><td>Missing</td><td>0</td></tr><tr><td>Missing (%)</td><td>0.0%</td></tr><tr><td>Infinite</td><td>0</td></tr><tr><td>Infinite (%)</td><td>0.0%</td></tr><tr><td>Mean</td><td>36.92380952</td></tr><tr><td>Minimum</td><td>18</td></tr><tr><td>Maximum</td><td>60</td></tr><tr><td>Zeros</td><td>0</td></tr><tr><td>Zeros (%)</td><td>0.0%</td></tr><tr><td>Memory size</td><td>11.6 KiB</td></tr></table></div>	Distinct	43	Distinct (%)	2.9%	Missing	0	Missing (%)	0.0%	Infinite	0	Infinite (%)	0.0%	Mean	36.92380952	Minimum	18	Maximum	60	Zeros	0	Zeros (%)	0.0%	Memory size	11.6 KiB
Distinct	43																									
Distinct (%)	2.9%																									
Missing	0																									
Missing (%)	0.0%																									
Infinite	0																									
Infinite (%)	0.0%																									
Mean	36.92380952																									
Minimum	18																									
Maximum	60																									
Zeros	0																									
Zeros (%)	0.0%																									
Memory size	11.6 KiB																									



		<div><div><div>Pearson's r</div><div>Spearman's <math>\rho</math></div><div>Kendall's <math>\tau</math></div><div>Phik (<math>\phi_k</math>)</div><div>Toggle correlation descriptions</div></div><div>Cramér's V (<math>\phi_c</math>)</div></div> <div></div>
2.	Data Responsiveness	<div>Employee Attrition by Age</div> <div>Attrition by Business Travel</div> <div>Attrition by Department, Job Role, Education Level and Marital Status</div> <div>Attrition by Salary Hike Percent</div> <div>Attrition by No. of Companies</div> <div>Worked Attrition by Income Groups</div> <div>Attrition by Work Experience Groups</div> <div>Dashboard of Attrition of Employees based on Employment details</div>
3.	Amount Data to Rendered (DB2 Metrics)	General_data.csv, Employee_Survey_Data.csv, Manager_Survey_data.csv

4.	Utilization of Data Filters	Grouping Sections Auto general																		
5.	Effective User Story	No of Scene Added - 8																		
6.	Descriptive Reports	<div>No of Visualizations / Graphs - 6</div> <div><div><div>Education</div><div>Categorical</div><div>HIGH</div><div>CORRELATION</div><table><tr><td>Distinct</td><td>5</td></tr><tr><td>Distinct (%)</td><td>0.3%</td></tr><tr><td>Missing</td><td>0</td></tr><tr><td>Missing (%)</td><td>0.0%</td></tr><tr><td>Memory size</td><td>83.4 KiB</td></tr></table><div><div>3</div><div>572</div></div><div><div>4</div><div>398</div></div><div><div>2</div><div>282</div></div><div><div>1</div><div>170</div></div><div><div>5</div><div>48</div></div><div>Toggle details</div></div><div><div>Overview</div><div>Categories</div><div>Words</div><div>Characters</div></div><div>Length</div><table><tr><td>Max length</td><td>1</td></tr><tr><td>Median length</td><td>1</td></tr><tr><td>Mean length</td><td>1</td></tr><tr><td>Min length</td><td>1</td></tr></table></div>	Distinct	5	Distinct (%)	0.3%	Missing	0	Missing (%)	0.0%	Memory size	83.4 KiB	Max length	1	Median length	1	Mean length	1	Min length	1
Distinct	5																			
Distinct (%)	0.3%																			
Missing	0																			
Missing (%)	0.0%																			
Memory size	83.4 KiB																			
Max length	1																			
Median length	1																			
Mean length	1																			
Min length	1																			

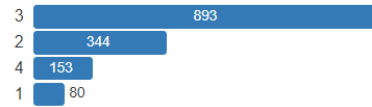
## WorkLifeBalance

Categorical

HIGH

### CORRELATION

Distinct	4
Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Memory size	83.4 KiB



Toggle details

Overview

Categories

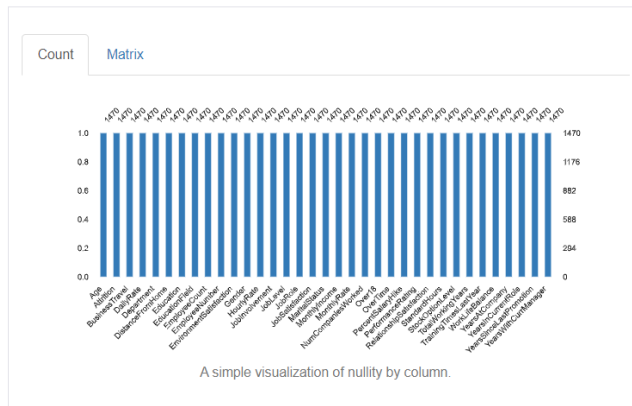
Words

Characters

### Length

Max length	1
Median length	1
Mean length	1
Min length	1

## Missing values



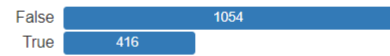
## OverTime

Boolean

HIGH

### CORRELATION

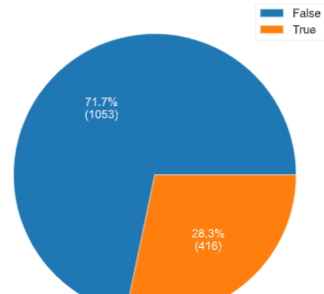
Distinct	2
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.6 KiB



Toggle details

Common Values

Chart



Value	Count	Frequency (%)
Sales Executive	326	22.2%
Research Scientist	292	19.9%
Laboratory Technician	259	17.6%
Manufacturing Director	145	9.9%
Healthcare Representative	131	8.9%
Manager	102	6.9%
Sales Representative	83	5.6%
Research Director	80	5.4%
Human Resources	52	3.5%

