No.of variables	Variable Name	Data Type	Description												
1	Age	int	Age of employee												
2	Attrition	factor	Indicates if attrition occur:												
3	BusinessTravel	factor	Indicates travel frequency of employee Non-Travel Travel_Frequently Travel_Rarely												
4	DailyRate	int													
5	Department	factor	Indicates the department of the employee: Human Resources Research & Development Sales												
6	DistanceFromHome	int													
7	Education	factor	1 'Below College' 2 'College' 3 'Bachelor' 4 'Master' 5 'Doctor'												
8	EducationField	factor	Indicates the education field of the employee: Human Resources Life Sciences Marketing Medical Other Technical Degree												
9	EmployeeCount	int													
10	EmployeeNumber	int													
11	EnvironmentSatisfaction	factor	EnvironmentSatisfaction 1 'Low' 2 'Medium' 3 'High' 4 'Very High'												
12	Gender	factor	Indicates the gender of the employee: Female Male												
13	HourlyRate	int													
14	JobInvolvement	factor	1 'Low' 2 'Medium' 3 'High' 4 'Very High'												
15	JobLevel	factor	1 'Low' 2 'Medium' 3 'High' 4 'Very High'												
16	JobRole	factor	Indicates the job role of the employee: Healthcare Representative Human Resources Laboratory Technician Manager Manufacturing Director Research Director Research Scientist Sales Executive Sales Representative												
17	JobSatisfaction	int													
18	MaritalStatus	factor	Indicates marital status of the employee: Divorced Married Single												
19	MonthlyIncome	int													
20	MonthlyRate	int													
21	NumCompaniesWorked	int													
22	Over18	string	Indicates if employee is over 18 years old with "Y"												
23	OverTime	factor	Indicates if the employee performs overtime: No Yes												
24	PercentSalaryHike	int													
25	PerformanceRating	factor	1 'Low' 2 'Good' 3 'Excellent' 4 'Outstanding'												
26	RelationshipSatisfaction	factor	1 'Low' 2 'Medium' 3 'High' 4 'Very High'												

27	StandardHours	int															
28	StockOptionLevel	factor	levels: 0, 1, 2, 3	https://investorplace.com/2009/03/option-approval-levels- explained/#:~:text=Usually%20there%20are%20four%20option,listed%20in%20the%20lower%20levels.													
29	TotalWorkingYears	int															
30	TrainingTimesLastYear	int															
31	WorkLifeBalance	factor	1 'Bad' 2 'Good' 3 'Better' 4 'Best'														
32	YearsAtCompany	int															
33	YearsInCurrentRole	int															
34	YearsSinceLastPromotion	int															
35	YearsWithCurrManager	int															