

Columns	Type of Data	Subtype	Level 1 Analysis
Age	Numerical	Continuous	Interpretation: For Age flag, the minimum age is 18yrs while the maximum age is 60yrs. The mean age is 36.92 while the mode age is 35yrs, and the median age is 36yrs. The lower fence is 10.5 and the upper fence is 62.5 and there are no outliers in the age flag.
Attrition	Categorical	Nominal	Interpretation: Attrition flag has two categories: Yes and No. Category Yes has a count of 237(16%) and category No has count of 1233(84%).
BusinessTravel	Categorical	Nominal	Interpretation: The Travel flag has three categories: Travel Rarely, Travel Frequently, Non-Travel. The highest is Travel Rarely category with 1043(71%) and smallest is Non-Travel with 150(10%)
DailyRate	Numerical	Continuous	Interpretation: For Daily rate flag, the minimum value is 102, maximum is 1499, mean rate is 802.48, mode rate is 691, and median is 802. The lower fence is -573 and upper fence is 2195 and there are no outliers.
Department	Categorical	Nominal	Interpretation: The Department flag has three categories: Research&Development, Human Resources, Sales. The highest is Research and Development department with 961(66%) and the smallest is Human Resources with 63(4%).
DistanceFromHome	Numerical	Continuous	Interpretation: In the Distance from Home flag, minimum distance is 1km while the maximum distance is 29km. The mean distance is 9.19km while mode is 2km and median is 7km. The upper fence is 32 and the lower fence is -16. The Lower fence is -16 and the upper fence is 32. There are no outliers present in the Distance from home flag.
Education	Categorical	Ordinal	Interpretation: The Education flag has 5 categories. The biggest of which is category 3 with 572(39%) while the smallest one is category 5 with 48(3%)
EducationField	Categorical	Nominal	Interpretation: The Education field flag has 6 categories. The biggest is the Life Sciences with 606(41%) and the smallest is Human Resources with 27(2%)
EmployeeCount	Numerical	Discrete	Since, the employee count is 1, all values calculated will be same.
EmployeeNumber	Numerical	Discrete	Interpretation: For the Employee Number flag, the minimum value is 1 while the maximum value is 2068. The Mean value for this flag is 1024.865 and the median value is 1020.5. However, mode for this flag doesn't exist because no value is repeated. The LF for this flag is -1105.5 and UF is 3152.5 and there are no outliers.
EnvironmentSatisfaction	Categorical	Ordinal	Interpretation: The Environment Satisfaction flag has 4 categories. The biggest is category 3 with 453(31%) and the smallest is category 1 with 284(19%).
Gender	Categorical	Nominal	Interpretation: The gender flag has two categories: Male and Female. The Male category has 882(60%) and Female has 588(40%).
HourlyRate	Numerical	Continuous	Interpretation: The Hourly rate flag has a minimum value of 30 while the maximum rate is 100. The mean rate is 65.89, mode rate offered is 66 and the median is also 66. The LF for this flag is -5.625 and the UF is 137.375
JobInvolvement	Categorical	Ordinal	Interpretation: The job involvement has 4 categories. The biggest is category 3 with 868(59%) and smallest is 1 with 83(6%).
JobLevel	Categorical	Ordinal	Interpretation: The job level flag has 5 different categories. The biggest category is category 1 with a count of 543(37%) and the smallest is category 5 with a count of 69(5%).
JobRole	Categorical	Nominal	Interpretation: The Job Role flag has 9 different categories. The biggest category is Sales Executive with a count of 326(22%) and the smallest category is Human Resources with a count of 52(3%).
JobSatisfaction	Categorical	Ordinal	Interpretation: The Job Satisfaction flag contains 4 different categories. The biggest category is Category 4 with a count of 459(31%) and the smallest being category 2 with a count of 280(19%).
MaritalStatus	Categorical	Nominal	Interpretation: The Marital Status flag has three categories: Single, Married and Divorced. The Single category has a count of 470(32%); the Married category has a count of 673(46%) and the divorced category has a count of 327(22%).
MonthlyIncome	Numerical	Continuous	Interpretation: In the Monthly Income flag, the minimum Income is 1099, while the maximum income is 19999. The mean value in this flag is 6502.931, the mode value is 2342 and the median income is 4919. There are a total of 114 outliers.
MonthlyRate	Numerical	Continuous	Interpretation: For Monthly rate flag, the minimum value is 2094 while the maximum value is 26999. The mean rate is 14313.1, mode value is 9150 and the median rate is 14235.5. The LF is -10574.8 and the UF is 39083.25. There are no outliers in this flag.

NumCompaniesWorked	Numerical	Discrete	Interpretation: In the Number of Companies worked for flag, the minimum number of companies an employee has worked for is 0 while the maximum is 9. The mean number is 2.69; mode is 1 and the median number is 2. The LF is -3.5 and the UF is 8.5 and there are 52 outliers in this flag.
Over18	Categorical	Nominal	Interpretation: The Over18 flag has only one category, Category Yes with a count of 1470(100%).
OverTime	Categorical	Nominal	Interpretation: The Overtime flag has 2 categories: Yes and No. The Yes category has a count of 416(28%) while the No category has a count of 1054(72%).
PercentSalaryHike	Numerical	Continuous	Interpretation: The minimum value for Percent Salary hike is 11%, while maximum is 25%. The mean value is 15.20%, mode value is 11% and median value is 14%. The LF for this flag is 3 while the UF is 27 and there are no outliers.
PerformanceRating	Categorical	Ordinal	Interpretation: The Performance Rating flag has 2 categories: Rating 3 and Rating 4. The 3 category has a count of 1244(85%) and 4 category has a count of 226(15%).
RelationshipSatisfaction	Categorical	Ordinal	Interpretation: The Relationship Satisfaction flag has 4 categories. The biggest category is Category 3 with a count of 459(31%) while the smallest is Category 1 with a count of 276(19%).
StandardHours	Numerical	Continuous	All values obtained are same
StockOptionLevel	Categorical	Ordinal	Interpretation: The Stock Option flag has 4 categories: 0, 1, 2, 3. The biggest category is category 0 with a count of 631(43%) and the smallest is category 3 with a count of 85(6%).
TotalWorkingYears	Numerical	Discrete	For Total working Hours flag, the minimum value is 0 hours and the maximum value is 40 hours. The mean value is 11.27 hours and mode value is 10, median value is also 10. The LF for this flag is -7.5, UF is 28.5 and there are 63 outliers.
TrainingTimesLastYear	Categorical	Ordinal	Interpretation: Training times last year has 7 different categories. The biggest of which is 2 times with a count of 547(37%) and the smallest is 0 times with a count of 54(4%).
WorkLifeBalance	Categorical	Ordinal	Interpretation: The Work Life Balance flag has 4 categories. The biggest of which is Category 3 with a count of 893(61%) while the smallest is Category 1 with a count of 80(6%).
YearsAtCompany	Numerical	Discrete	Interpretation: In the Years at company flag, minimum value is 0 years while the maximum value is 40 yrs. The mean value is 7.008, mode is 5 and the median value is also 5. The LF is -6 while UF is 18 and there are 104 outliers present.
YearsInCurrentRole	Numerical	Discrete	Interpretation: In the Years in Current Role flag, minimum value is 0 years and maximum value is 18yrs. The mean value is 4.22 yrs and the mode value is 2 yrs and the median value is 3. The LF here is -5.5 while UF is 14.5 and there are 21 outliers.
YearsSinceLastPromotion	Numerical	Discrete	Interpretation: In Years since last promotion flag, minimum value is 0 yrs and maximum value is 15 years. The mean value is 2.18yrs, mode value is 0 and the median value is 1. On this flag LF is -4.5 and UF is 7.5. There are 107 outliers.
YearsWithCurrManager	Numerical	Discrete	Interpretation: The minimum value for Years with current manager flag is 0 yrs and the maximum value is 17yrs. The mean value is 4.123 yrs, mode value is 2 yrs and median value is 3. The LF for this flag is -5.5 and UF is 14.5. There are 14 outliers present.