**Assignment Day 10**

From the provided Sample, I concluded the below Hypothesis:

Hypothesis 1: Many Employees are not paid as per their age and so are part of the attrition.

Hypothesis 2: The Scatterplot Chart between “PercentSalaryHike” and “YearsAtCompany” shows that the percentage hike given to the employees as per their experience in the company is uneven.

Hypothesis 3: The Scatterplot Chart between “Attrition” and “YearsWithCurrManager” shows that some of the Employees left the company who were serving under the same manager.

Hypothesis 4: The Scatterplot Chart between “Attrition” and “YearsSinceLastPromotion” shows Many Employees who left are not promoted in the provided span of time.

Hypothesis 5: The Comparison of Scatterplot Chart between “Education” and “PercentSalaryHike” with “Education” and “YearsAtCompany” shows that many Higher Education pursuing candidates got less PercentSalaryHike value which also can be the reason of Attrition.

Hypothesis 6: The Scatterplot Chart between “YearsAtCompany” and “YearsSinceLastPromotion” shows that Experienced Employees are not promoted in years causing Attrition

Hypothesis 7: The Scatterplot Chart between “YearsAtCompany” and “StockOptionLevel” shows that the stock option level is divided unevenly as many Employees working in the company for longer duration are not provided with Stock Option Level.

Hypothesis 8: The Comparison of Scatterplot Chart between “YearsAtCompany” and “MaritalStatus” with “Attrition” and “Age” shows that majority of the Employees are also having Relationship reasons.

Hypothesis 9: The Scatterplot Chart between “Attrition” and “TotalWorkingYears” shows that those below 25 Years overall experience have higher attrition rate.

Hypothesis 10: The Scatterplot Chart between “MonthlyIncome” and “JobRole” shows that the salary is unevenly distributed for different roles which also results in Attrition.