

Assignment day 7

Kurtosis value for percentage salary hike is -0.3026

Which suggests percentage hike is a factor to be considered.

The Mean of MonthlyIncome is at 65029 suggesting company wide Attrition.

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Name | Type | Size | Value
-----|-----|-----|-----
dataset1 | DataFrame | (4418, 24) | Column names: Age, Attrition, BusinessTravel, Department, DistanceFrom ...

In [42]: print(dataset1[['Age', 'DistanceFromHome', 'Education', 'MonthlyIncome', 'NumCompaniesWorked', 'PercentSalaryHike', 'TotalWorkingYears',
'TrainingTimesLastYear', 'YearsAtCompany', 'YearsSinceLastPromotion', 'YearsWithCurrManager']].median())
Age 36.0
DistanceFromHome 7.0
Education 3.0
MonthlyIncome 49190.0
NumCompaniesWorked 2.0
PercentSalaryHike 14.0
TotalWorkingYears 10.0
TrainingTimesLastYear 3.0
YearsAtCompany 5.0
YearsSinceLastPromotion 1.0
YearsWithCurrManager 3.0
dtype: float64

In [43]: print(dataset1[['Age', 'DistanceFromHome', 'Education', 'MonthlyIncome', 'NumCompaniesWorked', 'PercentSalaryHike', 'TotalWorkingYears',
'TrainingTimesLastYear', 'YearsAtCompany', 'YearsSinceLastPromotion', 'YearsWithCurrManager']].mean())
Age 36.923810
DistanceFromHome 9.192517
Education 2.912925
MonthlyIncome 65029.312925
NumCompaniesWorked 2.694830
PercentSalaryHike 15.209524
TotalWorkingYears 11.279936
TrainingTimesLastYear 2.799320
YearsAtCompany 7.008163
YearsSinceLastPromotion 2.187755
YearsWithCurrManager 4.123129
dtype: float64

In [44]:
```

Monthly Income is right skewed with many outliers

