

In [61]:

```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import scipy.stats as st
```

## Reading Data from csv file using read\_csv()

In [62]:

```
df=pd.read_csv("general_data.csv")
```

In [63]:

```
df
```

Out[63]:

	Age	Attrition	BusinessTravel	Department	DistanceFromHome	Education	EducationField	EmployeeCount	EmployeeID	Gender
0	51	No	Travel_Rarely	Sales	6	2	Life Sciences	1	1	Fem
1	31	Yes	Travel_Frequently	Research & Development	10	1	Life Sciences	1	2	Fem
2	32	No	Travel_Frequently	Research & Development	17	4	Other	1	3	M
3	38	No	Non-Travel	Research & Development	2	5	Life Sciences	1	4	M
4	32	No	Travel_Rarely	Research & Development	10	1	Medical	1	5	M
...	...	...	...	...	...	...	...	...	...	...
4405	42	No	Travel_Rarely	Research & Development	5	4	Medical	1	4406	Fem
4406	29	No	Travel_Rarely	Research & Development	2	4	Medical	1	4407	M
4407	25	No	Travel_Rarely	Research & Development	25	2	Life Sciences	1	4408	M
4408	42	No	Travel_Rarely	Sales	18	2	Medical	1	4409	M
4409	40	No	Travel_Rarely	Research & Development	28	3	Medical	1	4410	M

4410 rows × 24 columns



To know column names from dataframe we use df.columns

In [64]:

```
df.columns
```

Out[64]:

```
Index(['Age', 'Attrition', 'BusinessTravel', 'Department', 'DistanceFromHome',
      'Education', 'EducationField', 'EmployeeCount', 'EmployeeID', 'Gender',
      'JobLevel', 'JobRole', 'MaritalStatus', 'MonthlyIncome',
      'NumCompaniesWorked', 'Over18', 'PercentSalaryHike', 'StandardHours',
      'StockOptionLevel', 'TotalWorkingYears', 'TrainingTimesLastYear',
      'YearsAtCompany', 'YearsSinceLastPromotion', 'YearsWithCurrManager'],
      dtype='object')
```

In [65]:

```
#To know which data type is present columns we use df.dtypes
```

In [66]:

```
df.dtypes
```

Out[66]:

```
Age                int64
Attrition          object
BusinessTravel     object
Department         object
DistanceFromHome   int64
Education          int64
EducationField     object
EmployeeCount      int64
EmployeeID         int64
Gender            object
JobLevel          int64
JobRole           object
MaritalStatus     object
MonthlyIncome      int64
NumCompaniesWorked float64
Over18            object
PercentSalaryHike  int64
StandardHours      int64
StockOptionLevel   int64
TotalWorkingYears  float64
TrainingTimesLastYear int64
YearsAtCompany     int64
YearsSinceLastPromotion int64
YearsWithCurrManager int64
dtype: object
```

## Removing null or nan values from the dataframe using dropna()

In [67]:

```
df.dropna(inplace = True)
```

In [68]:

```
df
```

Out[68]:

	Age	Attrition	BusinessTravel	Department	DistanceFromHome	Education	EducationField	EmployeeCount	EmployeeID	Gender
0	51	No	Travel_Rarely	Sales	6	2	Life Sciences	1	1	Fem
1	31	Yes	Travel_Frequently	Research & Development	10	1	Life Sciences	1	2	Fem
2	32	No	Travel_Frequently	Research & Development	17	4	Other	1	3	M
3	38	No	Non-Travel	Research & Development	2	5	Life Sciences	1	4	M
4	32	No	Travel_Rarely	Research & Development	10	1	Medical	1	5	M
...	...	...	...	...	...	...	...	...	...	...
4404	29	No	Travel_Rarely	Sales	4	3	Other	1	4405	Fem
4405	42	No	Travel_Rarely	Research & Development	5	4	Medical	1	4406	Fem
4406	29	No	Travel_Rarely	Research & Development	2	4	Medical	1	4407	M
4407	25	No	Travel_Rarely	Research & Development	25	2	Life Sciences	1	4408	M
4408	42	No	Travel_Rarely	Sales	18	2	Medical	1	4409	M

4382 rows × 24 columns

## Selecting only integer datatypes

In [69]:

```
l=df.select_dtypes(include=['int64'])
```

In [70]:

```
### Dropping all constants and categorical variables which are in integer format
```

In [71]:

```
l.drop(['Education', 'EmployeeCount', 'EmployeeID', 'JobLevel', 'StandardHours', 'StockOptionLevel'], axis=1, inplace=True)
```

In [72]:

```
l
```

Out[72]:

	Age	DistanceFromHome	MonthlyIncome	PercentSalaryHike	TrainingTimesLastYear	YearsAtCompany	YearsSinceLastPromotion
0	51	6	131160	11	6	1	0
1	31	10	41890	23	3	5	1
2	32	17	193280	15	2	5	0
3	38	2	83210	11	5	8	7
4	32	10	23420	12	2	6	0
...	...	...	...	...	...	...	...
4404	29	4	35390	18	2	6	1
4405	42	5	60290	17	5	3	0
4406	29	2	26790	15	2	3	0
4407	25	25	37020	20	4	4	1
4408	42	18	23980	14	2	9	7

4382 rows × 8 columns

## Dropping rows whose values are null and nan

In [80]:

```
l.dropna(inplace=True)
```

C:\Users\venka\Anaconda3\lib\site-packages\ipykernel\_launcher.py:1: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: [http://pandas.pydata.org/pandas-docs/stable/user\\_guide/indexing.html#returning-a-view-versus-a-copy](http://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)  
"""Entry point for launching an IPython kernel.

In [81]:

```
l.isnull().sum()
```

Out[81]:

```
Age                0
DistanceFromHome   0
MonthlyIncome       0
PercentSalaryHike   0
TrainingTimesLastYear 0
```

```
TrainingTimesLastYear    0
YearsAtCompany           0
YearsSinceLastPromotion  0
YearsWithCurrManager     0
dtype: int64
```

In [74]:

```
### Creating dataframe for storing mean,skewness,kurtosis,Q1,Q2,Q3,IQR,min,max,Standard deviation
```

In [75]:

```
summary=l.describe().transpose()
```

In [76]:

```
summary['skew']=l.skew()
summary['kurt']=l.kurt()
```

In [77]:

```
summary
```

Out[77]:

	count	mean	std	min	25%	50%	75%	max	skew	kurt
Age	4382.0	36.933364	9.137272	18.0	30.0	36.0	43.0	60.0	0.413048	-0.409517
DistanceFromHome	4382.0	9.198996	8.105396	1.0	2.0	7.0	14.0	29.0	0.955517	-0.230691
MonthlyIncome	4382.0	65061.702419	47142.310175	10090.0	29110.0	49190.0	83790.0	199990.0	1.367457	0.990836
PercentSalaryHike	4382.0	15.210634	3.663007	11.0	12.0	14.0	18.0	25.0	0.819510	-0.306951
TrainingTimesLastYear	4382.0	2.798266	1.289402	0.0	2.0	3.0	3.0	6.0	0.551818	0.494215
YearsAtCompany	4382.0	7.010497	6.129351	0.0	3.0	5.0	9.0	40.0	1.764619	3.930726
YearsSinceLastPromotion	4382.0	2.191693	3.224994	0.0	0.0	1.0	3.0	15.0	1.980992	3.592162
YearsWithCurrManager	4382.0	4.126198	3.569674	0.0	2.0	3.0	7.0	17.0	0.834277	0.170703

## Checking normality through skewness and kurtosis

In [82]:

```
summary[summary['kurt']>0.1].index
```

Out[82]:

```
Index(['MonthlyIncome', 'TrainingTimesLastYear', 'YearsAtCompany',
       'YearsSinceLastPromotion', 'YearsWithCurrManager'],
      dtype='object')
```

In [83]:

```
summary[summary['kurt']<=-0.1].index
```

Out[83]:

```
Index(['Age', 'DistanceFromHome', 'PercentSalaryHike'], dtype='object')
```

MonthlyIncome', 'TrainingTimesLastYear', 'YearsAtCompany', 'YearsSinceLastPromotion', 'YearsWithCurrManager' are Leptokurtic whereas 'Age', 'DistanceFromHome', 'PercentSalaryHike' are Platykurtic in Attrition.

In [86]:

```
summary[summary['skew']>0.1].index
```

Out[86]:

```
Index(['Age', 'DistanceFromHome', 'MonthlyIncome', 'PercentSalaryHike',  
      'TrainingTimesLastYear', 'YearsAtCompany', 'YearsSinceLastPromotion',  
      'YearsWithCurrManager'],  
      dtype='object')
```

In [87]:

```
summary[summary['skew']<=-0.1].index
```

Out[87]:

```
Index([], dtype='object')
```

All features shows psotive skewness There is a huge interquartile range for MonthlyIncome is due to outliers and standard deviation is also high which confirms us inconsistency in data.

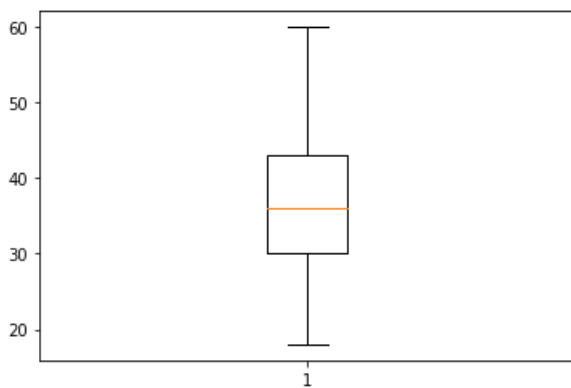
## Outliers

In [88]:

```
plt.boxplot(df.Age)
```

Out[88]:

```
{'whiskers': [<matplotlib.lines.Line2D at 0x199d9415588>,  
             <matplotlib.lines.Line2D at 0x199d9465f08>],  
 'caps': [<matplotlib.lines.Line2D at 0x199d9415c88>,  
         <matplotlib.lines.Line2D at 0x199d9415d48>],  
 'boxes': [<matplotlib.lines.Line2D at 0x199d9465d08>],  
 'medians': [<matplotlib.lines.Line2D at 0x199d9422e48>],  
 'fliers': [<matplotlib.lines.Line2D at 0x199d9422f48>],  
 'means': []}
```



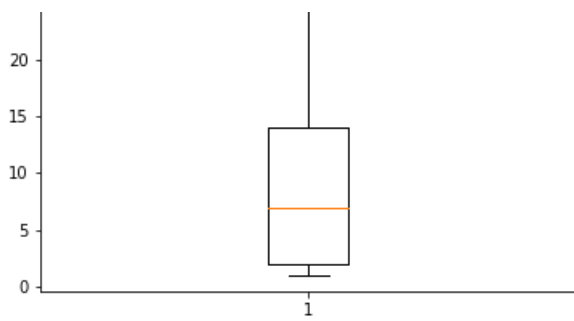
In [89]:

```
plt.boxplot(df.DistanceFromHome)
```

Out[89]:

```
{'whiskers': [<matplotlib.lines.Line2D at 0x199d9732c08>,  
             <matplotlib.lines.Line2D at 0x199d9732d08>],  
 'caps': [<matplotlib.lines.Line2D at 0x199d9732d88>,  
         <matplotlib.lines.Line2D at 0x199d9739c88>],  
 'boxes': [<matplotlib.lines.Line2D at 0x199d9732548>],  
 'medians': [<matplotlib.lines.Line2D at 0x199d9739d88>],  
 'fliers': [<matplotlib.lines.Line2D at 0x199d9739e08>],  
 'means': []}
```



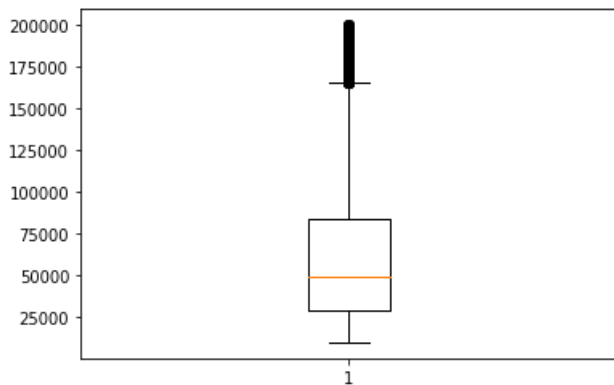


In [90]:

```
plt.boxplot(df.MonthlyIncome)
```

Out[90]:

```
{'whiskers': [<matplotlib.lines.Line2D at 0x199d979da88>,
<matplotlib.lines.Line2D at 0x199d9762848>],
'caps': [<matplotlib.lines.Line2D at 0x199d979dc08>,
<matplotlib.lines.Line2D at 0x199d97a3b08>],
'boxes': [<matplotlib.lines.Line2D at 0x199d979d348>],
'medians': [<matplotlib.lines.Line2D at 0x199d97a3f48>],
'fliers': [<matplotlib.lines.Line2D at 0x199d97a3c88>],
'means': []}
```

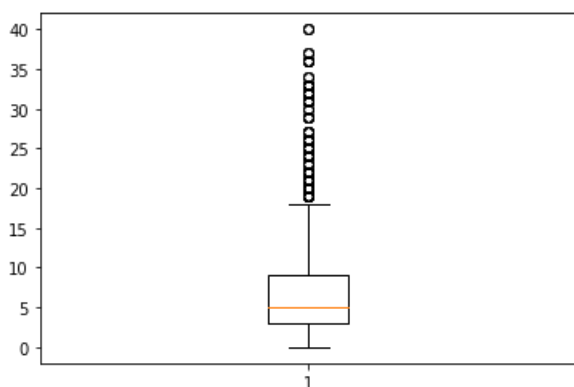


In [91]:

```
plt.boxplot(df.YearsAtCompany)
```

Out[91]:

```
{'whiskers': [<matplotlib.lines.Line2D at 0x199d980e4c8>,
<matplotlib.lines.Line2D at 0x199d9805f48>],
'caps': [<matplotlib.lines.Line2D at 0x199d980efc8>,
<matplotlib.lines.Line2D at 0x199d980ebc8>],
'boxes': [<matplotlib.lines.Line2D at 0x199d9805d08>],
'medians': [<matplotlib.lines.Line2D at 0x199d9814ac8>],
'fliers': [<matplotlib.lines.Line2D at 0x199d9814fc8>],
'means': []}
```

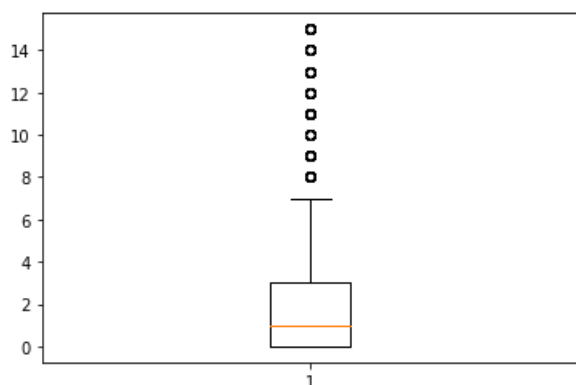


In [93]:

```
plt.boxplot(df.YearsSinceLastPromotion)
```

Out[93]:

```
{'whiskers': [<matplotlib.lines.Line2D at 0x199d9a4cbc8>,  
<matplotlib.lines.Line2D at 0x199d9a4ccc8>],  
'caps': [<matplotlib.lines.Line2D at 0x199d9a4cd88>,  
<matplotlib.lines.Line2D at 0x199d9a52e48>],  
'boxes': [<matplotlib.lines.Line2D at 0x199d9a4c348>],  
'medians': [<matplotlib.lines.Line2D at 0x199d9a52f48>],  
'fliers': [<matplotlib.lines.Line2D at 0x199d9a57b08>],  
'means': []}
```



MonthlyIncome', 'TrainingTimesLastYear', 'YearsAtCompany', 'YearsSinceLastPromotion', 'YearsWithCurrManager' contains outliers.  
More kurtosis refers to more outliers

## Calculating correlation with all original features by converting them into integers by encoding

In [94]:

```
df["Attrition"] = np.where(df["Attrition"] == "Yes", 1, 0)
```

In [95]:

```
k = ['BusinessTravel', 'Department',  
     'EducationField', 'Gender',  
     'JobRole', 'MaritalStatus',  
     'Over18']
```

In [96]:

```
for i in k:  
    af = pd.get_dummies(df[i])  
    df = pd.concat([df, af], axis=1)  
    df.drop(i, axis=1, inplace=True)  
df.drop(['EmployeeCount', 'EmployeeID'], axis=1, inplace=True)  
adf = df.dropna()
```

In [99]:

```
adf.isnull().sum()
```

Out[99]:

```
Age                0  
Attrition          0  
DistanceFromHome  0  
Education          0  
JobLevel           0  
MonthlyIncome      0
```

```

NumCompaniesWorked      0
PercentSalaryHike        0
StandardHours            0
StockOptionLevel         0
TotalWorkingYears        0
TrainingTimesLastYear    0
YearsAtCompany           0
YearsSinceLastPromotion  0
YearsWithCurrManager     0
Non-Travel               0
Travel_Frequently        0
Travel_Rarely            0
Human Resources          0
Research & Development   0
Sales                    0
Human Resources          0
Life Sciences            0
Marketing                 0
Medical                  0
Other                    0
Technical Degree         0
Female                   0
Male                     0
Healthcare Representative 0
Human Resources          0
Laboratory Technician    0
Manager                  0
Manufacturing Director   0
Research Director        0
Research Scientist       0
Sales Executive           0
Sales Representative      0
Divorced                 0
Married                  0
Single                   0
Y                         0
dtype: int64

```

In [98]:

```
adf.isnull().sum()
```

Out[98]:

```

Age                      0
Attrition                0
DistanceFromHome         0
Education                0
JobLevel                 0
MonthlyIncome            0
NumCompaniesWorked       0
PercentSalaryHike        0
StandardHours            0
StockOptionLevel         0
TotalWorkingYears        0
TrainingTimesLastYear    0
YearsAtCompany           0
YearsSinceLastPromotion  0
YearsWithCurrManager     0
Non-Travel               0
Travel_Frequently        0
Travel_Rarely            0
Human Resources          0
Research & Development   0
Sales                    0
Human Resources          0
Life Sciences            0
Marketing                 0
Medical                  0
Other                    0
Technical Degree         0
Female                   0
Male                     0
Healthcare Representative 0
Human Resources          0
Laboratory Technician    0

```



```

Laboratory Technician      0
Manager                    0
Manufacturing Director     0
Research Director          0
Research Scientist         0
Sales Executive            0
Sales Representative       0
Divorced                   0
Married                    0
Single                     0
Y                           0
dtype: int64

```

Above converted dataframe is obtained after encoding and dropping null values

## Calculating correlation between each and every feature of above dataframe

In [100]:

```

for i in adf.columns:
    print("Finding out correlation between ",i," and all other features")
    for j in adf.columns:
        print("")
        print(i,"VS",j)
        try:
            stats,p=st.pearsonr(adf[i],adf[j])
            print(stats,p)
            if p<0.05:
                print("We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between ",i," and ",j)
            else:
                print("We are accepting null hypothesis. There is no significant correlation between ",i," and ",j)
        except Exception:
            print("Constant variable is not suitable for correlation")

    print("")

```

Finding out correlation between Age and all other features

Age VS Age

0.9999999999999998 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Age

Age VS Attrition

-0.1583986795409671 5.1265982193780794e-26

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Attrition

Age VS DistanceFromHome

0.007375611995633585 0.625473098357964

We are accepting null hypothesis. There is no significant correlation between Age and DistanceFromHome

Age VS Education

-0.033900022098179695 0.02482767033612246

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Education

Age VS JobLevel

-0.0011369443982538613 0.9400233667733746

We are accepting null hypothesis. There is no significant correlation between Age and JobLevel

Age VS MonthlyIncome

-0.04516299865011408 0.0027869147692650607

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and MonthlyIncome

Age VS NumCompaniesWorked

0.2995267915057386 1.5880409796378413e-91

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and NumCompaniesWorked

Age VS PercentSalaryHike

-0.0325611628496047 0.031130755678853445

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and PercentSalaryHike

Age VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Age and StandardHours

Age VS StockOptionLevel

-0.03150398377899284 0.03703467103446055

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and StockOptionLevel

Age VS TotalWorkingYears

0.6800365175204985 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and TotalWorkingYears

Age VS TrainingTimesLastYear

-0.028962483547268093 0.0552283643472825

We are accepting null hypothesis. There is no significant correlation between Age and TrainingTimesLastYear

Age VS YearsAtCompany

0.3112812913273365 4.495406311353013e-99

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and YearsAtCompany

Age VS YearsSinceLastPromotion

0.21565030454065595 2.835994845364307e-47

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and YearsSinceLastPromotion

Age VS YearsWithCurrManager

0.201579910288684 2.0875303019130635e-41

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and YearsWithCurrManager

Age VS Non-Travel

-0.011884538680338688 0.43156273592990346

We are accepting null hypothesis. There is no significant correlation between Age and Non-Travel

Age VS Travel\_Frequently

-0.024217654447472668 0.10895542108371242

We are accepting null hypothesis. There is no significant correlation between Age and Travel\_Frequently

Age VS Travel\_Rarely

0.0287841226643483 0.056745710824841866

We are accepting null hypothesis. There is no significant correlation between Age and Travel\_Rarely

Age VS Human Resources

Constant variable is not suitable for correlation

Age VS Research & Development

0.018738726019737015 0.21490276741900607

We are accepting null hypothesis. There is no significant correlation between Age and Research & Development

Age VS Sales

-0.016644338965929765 0.2706521857055726

We are accepting null hypothesis. There is no significant correlation between Age and Sales

Age VS Human Resources

Constant variable is not suitable for correlation

Age VS Life Sciences

-0.002063073316684762 0.8914024838001627

We are accepting null hypothesis. There is no significant correlation between Age and Life Sciences

Age VS Marketing

-0.033291205647498115 0.02754198229176612

0.002259266544989873 0.8811484890847672

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Marketing

Age VS Medical

0.009847054611293156 0.5146127114237955

We are accepting null hypothesis. There is no significant correlation between Age and Medical

Age VS Other

-0.002259266544989873 0.8811484890847672

We are accepting null hypothesis. There is no significant correlation between Age and Other

Age VS Technical Degree

0.048233725676400344 0.0014038401462466335

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Technical Degree

Age VS Female

0.04062458411404911 0.007154725379000259

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Female

Age VS Male

-0.040624584114049095 0.007154725379000259

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Male

Age VS Healthcare Representative

-0.05226161387727354 0.0005383262084813

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Healthcare Representative

Age VS Human Resources

Constant variable is not suitable for correlation

Age VS Laboratory Technician

0.0329302001125308 0.02926939390385055

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Laboratory Technician

Age VS Manager

0.009454694124396413 0.5315086131722033

We are accepting null hypothesis. There is no significant correlation between Age and Manager

Age VS Manufacturing Director

-0.00020281865132726427 0.9892910427797028

We are accepting null hypothesis. There is no significant correlation between Age and Manufacturing Director

Age VS Research Director

-0.014489529237461857 0.3375913031378573

We are accepting null hypothesis. There is no significant correlation between Age and Research Director

Age VS Research Scientist

0.006263034320537998 0.6785241918124256

We are accepting null hypothesis. There is no significant correlation between Age and Research Scientist

Age VS Sales Executive

0.008285721836701778 0.5834583429127815

We are accepting null hypothesis. There is no significant correlation between Age and Sales Executive

Age VS Sales Representative

-0.01254472502774193 0.4064173169536512

We are accepting null hypothesis. There is no significant correlation between Age and Sales Representative

Age VS Divorced

0.03186552470676396 0.03491648110720403

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Divorced

Age VS Married

0.0852137621396225 1.6088110663378668e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Married

elation between Age and Married

Age VS Single

-0.1193132757137981 2.296028951557266e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Age and Single

Age VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Age and Y

Finding out correlation between Attrition and all other features

Attrition VS Age

-0.1583986795409671 5.1265982193780794e-26

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Age

Attrition VS Attrition

0.9999999999999991 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Attrition

Attrition VS DistanceFromHome

-0.009448638515156248 0.5317715668019558

We are accepting null hypothesis. There is no significant correlation between Attrition and DistanceFromHome

Attrition VS Education

-0.017106307050278723 0.25757539308157945

We are accepting null hypothesis. There is no significant correlation between Attrition and Education

Attrition VS JobLevel

-0.012381569720790877 0.4125489150380087

We are accepting null hypothesis. There is no significant correlation between Attrition and JobLevel

Attrition VS MonthlyIncome

-0.030160293808460664 0.045890862744719166

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and MonthlyIncome

Attrition VS NumCompaniesWorked

0.04283056724472088 0.004572057121620842

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and NumCompaniesWorked

Attrition VS PercentSalaryHike

0.03315303713546665 0.028192446935106235

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and PercentSalaryHike

Attrition VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Attrition and StandardHours

Attrition VS StockOptionLevel

-0.008164026684984328 0.588999635831226

We are accepting null hypothesis. There is no significant correlation between Attrition and StockOptionLevel

Attrition VS TotalWorkingYears

```
C:\Users\venka\Anaconda3\lib\site-packages\scipy\stats\stats.py:3399:
```

```
PearsonRConstantInputWarning: An input array is constant; the correlation coefficient is not defined.
```

```
warnings.warn(PearsonRConstantInputWarning())
```

-0.1696699168472392 1.1645434967091854e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and TotalWorkingYears

Attrition VS TrainingTimesLastYear

-0.04758573693081737 0.0016276603635477602

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and TrainingTimesLastYear

Attrition VS YearsAtCompany

-0.1330026184252154 9.476118084836507e-19

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and YearsAtCompany

Attrition VS YearsSinceLastPromotion

-0.03142315056330995 0.03752293607395154

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and YearsSinceLastPromotion

Attrition VS YearsWithCurrManager

-0.15469153690287274 7.105369646771178e-25

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and YearsWithCurrManager

Attrition VS Non-Travel

-0.07396075688929277 9.521758181308491e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Non-Travel

Attrition VS Travel\_Frequently

0.11323113896714168 5.580193360703063e-14

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Travel\_Frequently

Attrition VS Travel\_Rarely

-0.04814605215162269 0.0014323667125359179

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Travel\_Rarely

Attrition VS Human Resources

Constant variable is not suitable for correlation

Attrition VS Research & Development

-0.015583440078272181 0.3023812846092362

We are accepting null hypothesis. There is no significant correlation between Attrition and Research & Development

Attrition VS Sales

-0.017531072920331174 0.24594425184615867

We are accepting null hypothesis. There is no significant correlation between Attrition and Sales

Attrition VS Human Resources

Constant variable is not suitable for correlation

Attrition VS Life Sciences

0.013174583907034396 0.383261461930107

We are accepting null hypothesis. There is no significant correlation between Attrition and Life Sciences

Attrition VS Marketing

-0.002838111620665681 0.8510174936050671

We are accepting null hypothesis. There is no significant correlation between Attrition and Marketing

Attrition VS Medical

-0.0011038724466464046 0.9417648475065248

We are accepting null hypothesis. There is no significant correlation between Attrition and Medical

Attrition VS Other

-0.02507069748771002 0.09703840207697333

We are accepting null hypothesis. There is no significant correlation between Attrition and Other

Attrition VS Technical Degree

-0.03931785259584586 0.009241866904751199

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Technical Degree

Attrition VS Female

-0.01839642519444091 0.22339966086831062

We are accepting null hypothesis. There is no significant correlation between Attrition and Female

ale

Attrition VS Male

0.018396425194440957 0.22339966086831062

We are accepting null hypothesis. There is no significant correlation between Attrition and Male

Attrition VS Healthcare Representative

-0.01437888288933353 0.3412938450238649

We are accepting null hypothesis. There is no significant correlation between Attrition and Healthcare Representative

Attrition VS Human Resources

Constant variable is not suitable for correlation

Attrition VS Laboratory Technician

0.001035620498637758 0.9453596836913262

We are accepting null hypothesis. There is no significant correlation between Attrition and Laboratory Technician

Attrition VS Manager

-0.01725574772714283 0.2534405982168045

We are accepting null hypothesis. There is no significant correlation between Attrition and Manager

Attrition VS Manufacturing Director

-0.043930752314903204 0.0036299958601926385

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Manufacturing Director

Attrition VS Research Director

0.04357883417765999 0.00391013931800516

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Research Director

Attrition VS Research Scientist

0.027547751725029622 0.06824353033568561

We are accepting null hypothesis. There is no significant correlation between Attrition and Research Scientist

Attrition VS Sales Executive

0.012150403280645098 0.421329679038615

We are accepting null hypothesis. There is no significant correlation between Attrition and Sales Executive

Attrition VS Sales Representative

-0.009653648198966396 0.5229062053259331

We are accepting null hypothesis. There is no significant correlation between Attrition and Sales Representative

Attrition VS Divorced

-0.08685788586589438 8.463925503263661e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Divorced

Attrition VS Married

-0.08962656513467841 2.7942265415767945e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Married

Attrition VS Single

0.172941654460119 9.112198804613137e-31

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Attrition and Single

Attrition VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Attrition and Y

Finding out correlation between DistanceFromHome and all other features

DistanceFromHome VS Age

0.007375611995633585 0.625473098357964

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Age

DistanceFromHome VS Attrition

-0.009448638515156248 0.5317715668019558

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Attrition

DistanceFromHome VS DistanceFromHome

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and DistanceFromHome

DistanceFromHome VS Education

-0.007491117534993463 0.6200689947511001

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Education

DistanceFromHome VS JobLevel

-0.03998994592579438 0.00810880959175249

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and JobLevel

DistanceFromHome VS MonthlyIncome

-0.022757432572502644 0.1320077119816935

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and MonthlyIncome

DistanceFromHome VS NumCompaniesWorked

-0.014448563806987847 0.33895910428981324

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and NumCompaniesWorked

DistanceFromHome VS PercentSalaryHike

0.03771996578263588 0.012520918444547115

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and PercentSalaryHike

DistanceFromHome VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and StandardHours

DistanceFromHome VS StockOptionLevel

0.009352863687846772 0.5359391556460906

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and StockOptionLevel

DistanceFromHome VS TotalWorkingYears

0.009573874426958943 0.5263468745824326

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and TotalWorkingYears

DistanceFromHome VS TrainingTimesLastYear

-0.008956550762586148 0.5533574213472158

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and TrainingTimesLastYear

DistanceFromHome VS YearsAtCompany

0.03074567424452721 0.04183458471734796

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and YearsAtCompany

DistanceFromHome VS YearsSinceLastPromotion

0.002242807871810203 0.8820079574741969

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and YearsSinceLastPromotion

DistanceFromHome VS YearsWithCurrManager

0.02177338782923497 0.14956051962940378

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and YearsWithCurrManager

DistanceFromHome VS Non-Travel

-0.025666370397226555 0.08935243748672819

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Non-Travel

DistanceFromHome VS Travel\_Frequently

-0.0028935146566720915 0.8481442140849604

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and

nd Travel\_Frequently

DistanceFromHome VS Travel\_Rarely

0.019619135372803728 0.1941238158003023

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Travel\_Rarely

DistanceFromHome VS Human Resources

Constant variable is not suitable for correlation

DistanceFromHome VS Research & Development

0.006739929825911529 0.6555692672001258

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Research & Development

DistanceFromHome VS Sales

0.0034501591453858812 0.8193939089332034

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Sales

DistanceFromHome VS Human Resources

Constant variable is not suitable for correlation

DistanceFromHome VS Life Sciences

0.010847074155946825 0.4728457571999287

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Life Sciences

DistanceFromHome VS Marketing

0.004662508643243092 0.757659143535216

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Marketing

DistanceFromHome VS Medical

-0.010029789885605805 0.5068400685397902

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Medical

DistanceFromHome VS Other

-0.013944130543683193 0.35609235399978273

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Other

DistanceFromHome VS Technical Degree

-0.010656026984795881 0.4806780982499518

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Technical Degree

DistanceFromHome VS Female

0.042610232535606835 0.004785446219219044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Female

DistanceFromHome VS Male

-0.04261023253560684 0.004785446219219044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Male

DistanceFromHome VS Healthcare Representative

-0.01637612254058051 0.2784498105578406

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Healthcare Representative

DistanceFromHome VS Human Resources

Constant variable is not suitable for correlation

DistanceFromHome VS Laboratory Technician

0.05246362004288235 0.000512151459473072

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Laboratory Technician

DistanceFromHome VS Manager

-0.03858328736637362 0.0106399156005158

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Manager

DistanceFromHome VS Manufacturing Director



-0.0008877436031855465 0.9531520922709676

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Manufacturing Director

DistanceFromHome VS Research Director

-0.0016385574120487186 0.91364970058871

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Research Director

DistanceFromHome VS Research Scientist

-0.0040571006003458 0.7883213548974061

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Research Scientist

DistanceFromHome VS Sales Executive

-0.011916574715607565 0.43032209969015284

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Sales Executive

DistanceFromHome VS Sales Representative

0.005999707338065011 0.6913298880326643

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Sales Representative

DistanceFromHome VS Divorced

0.0018294901194206284 0.9036342315740755

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Divorced

DistanceFromHome VS Married

0.03869157559734739 0.010422661160473098

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Married

DistanceFromHome VS Single

-0.042931605452376315 0.004477116249287258

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between DistanceFromHome and Single

DistanceFromHome VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between DistanceFromHome and Y

Finding out correlation between Education and all other features

Education VS Age

-0.033900022098179695 0.02482767033612246

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Age

Education VS Attrition

-0.017106307050278723 0.25757539308157945

We are accepting null hypothesis. There is no significant correlation between Education and Attrition

Education VS DistanceFromHome

-0.007491117534993463 0.6200689947511001

We are accepting null hypothesis. There is no significant correlation between Education and DistanceFromHome

Education VS Education

0.9999999999999999 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Education

Education VS JobLevel

0.04582150182437853 0.0024136697983178908

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and JobLevel

Education VS MonthlyIncome

0.007289363749950529 0.629521537432801

We are accepting null hypothesis. There is no significant correlation between Education and MonthlyIncome

Education VS NumCompaniesWorked

-0.01621033945310187 0.28334517989260916

We are accepting null hypothesis. There is no significant correlation between Education and NumCompaniesWorked

Education VS PercentSalaryHike

-0.04105432267129254 0.006567183299536081

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and PercentSalaryHike

Education VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Education and StandardHours

Education VS StockOptionLevel

0.002386366436987802 0.8745161468916901

We are accepting null hypothesis. There is no significant correlation between Education and StockOptionLevel

Education VS TotalWorkingYears

-0.00922770349397059 0.541410102052

We are accepting null hypothesis. There is no significant correlation between Education and TotalWorkingYears

Education VS TrainingTimesLastYear

0.00993926191345429 0.5106829497137146

We are accepting null hypothesis. There is no significant correlation between Education and TrainingTimesLastYear

Education VS YearsAtCompany

0.005997484326069969 0.69143837695436

We are accepting null hypothesis. There is no significant correlation between Education and YearsAtCompany

Education VS YearsSinceLastPromotion

0.02345685353377193 0.12053394184915249

We are accepting null hypothesis. There is no significant correlation between Education and YearsSinceLastPromotion

Education VS YearsWithCurrManager

0.005644770362844889 0.7087306493842205

We are accepting null hypothesis. There is no significant correlation between Education and YearsWithCurrManager

Education VS Non-Travel

-0.006426231081715201 0.6706339063874377

We are accepting null hypothesis. There is no significant correlation between Education and Non-Travel

Education VS Travel\_Frequently

0.0047263708731037826 0.7544458882637507

We are accepting null hypothesis. There is no significant correlation between Education and Travel\_Frequently

Education VS Travel\_Rarely

0.00021853632971809926 0.988461194856509

We are accepting null hypothesis. There is no significant correlation between Education and Travel\_Rarely

Education VS Human Resources

Constant variable is not suitable for correlation

Education VS Research & Development

-0.00839701223570576 0.5784121842756691

We are accepting null hypothesis. There is no significant correlation between Education and Research & Development

Education VS Sales

0.002203881981795563 0.8840412100719045

We are accepting null hypothesis. There is no significant correlation between Education and Sales

Education VS Human Resources

Constant variable is not suitable for correlation

Education VS Life Sciences

0.005095933465995001 0.7359361294719584

We are accepting null hypothesis. There is no significant correlation between Education and Life Sciences

Education VS Marketing

-0.009582340639110488 0.5259811763918589

We are accepting null hypothesis. There is no significant correlation between Education and Marketing

Education VS Medical

-0.019942833887141128 0.18686708908184854

We are accepting null hypothesis. There is no significant correlation between Education and Medical

Education VS Other

0.0479644466993509 0.0014931628483673895

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Other

Education VS Technical Degree

0.004176204529858025 0.7822614418937496

We are accepting null hypothesis. There is no significant correlation between Education and Technical Degree

Education VS Female

0.01767103949510418 0.24219351573861048

We are accepting null hypothesis. There is no significant correlation between Education and Female

Education VS Male

-0.017671039495104165 0.24219351573861048

We are accepting null hypothesis. There is no significant correlation between Education and Male

Education VS Healthcare Representative

-0.011677136635406751 0.43964462833119855

We are accepting null hypothesis. There is no significant correlation between Education and Healthcare Representative

Education VS Human Resources

Constant variable is not suitable for correlation

Education VS Laboratory Technician

-0.07728400233401025 3.020770750158752e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Laboratory Technician

Education VS Manager

0.04439807468180069 0.003286192299510542

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Manager

Education VS Manufacturing Director

-0.013794724176436207 0.3612699909866985

We are accepting null hypothesis. There is no significant correlation between Education and Manufacturing Director

Education VS Research Director

0.047037781412918436 0.0018420674098608978

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Research Director

Education VS Research Scientist

0.00190478623569355 0.8996886572965729

We are accepting null hypothesis. There is no significant correlation between Education and Research Scientist

Education VS Sales Executive

-0.004583570621235449 0.761636730648362

We are accepting null hypothesis. There is no significant correlation between Education and Sales Executive

Education VS Sales Representative

0.03343662990184344 0.026871378064223916

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Education and Sales Representative

Education VS Divorced

-0.01716601133631843 0.25591788962948087

We are accepting null hypothesis. There is no significant correlation between Education and Divorced

Education VS Married

-0.007207953040453165 0.6333531449675878

We are accepting null hypothesis. There is no significant correlation between Education and Married

Education VS Single

0.022964426972266846 0.1285271935529923

We are accepting null hypothesis. There is no significant correlation between Education and Single

Education VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Education and Y

Finding out correlation between JobLevel and all other features

JobLevel VS Age

-0.0011369443982538613 0.9400233667733746

We are accepting null hypothesis. There is no significant correlation between JobLevel and Age

JobLevel VS Attrition

-0.012381569720790877 0.4125489150380087

We are accepting null hypothesis. There is no significant correlation between JobLevel and Attrition

JobLevel VS DistanceFromHome

-0.03998994592579438 0.00810880959175249

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and DistanceFromHome

JobLevel VS Education

0.04582150182437853 0.0024136697983178908

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Education

JobLevel VS JobLevel

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and JobLevel

JobLevel VS MonthlyIncome

0.04668786285654726 0.0019922489872820598

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and MonthlyIncome

JobLevel VS NumCompaniesWorked

-0.009758699437015846 0.5183929877416139

We are accepting null hypothesis. There is no significant correlation between JobLevel and NumCompaniesWorked

JobLevel VS PercentSalaryHike

0.010874179485253516 0.4717402394549232

We are accepting null hypothesis. There is no significant correlation between JobLevel and PercentSalaryHike

JobLevel VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between JobLevel and StandardHours

JobLevel VS StockOptionLevel

0.0003650750182924913 0.980725096581735

We are accepting null hypothesis. There is no significant correlation between JobLevel and StockOptionLevel

JobLevel VS TotalWorkingYears

-0.03629272632200806 0.01628058900098235

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and TotalWorkingYears

JobLevel VS TrainingTimesLastYear

-0.03193098863266587 0.03454421208063728

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and TrainingTimesLastYear

relation between JobLevel and TrainingTimesLastYear

JobLevel VS YearsAtCompany

-0.063360373672713 2.701552301406539e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and YearsAtCompany

JobLevel VS YearsSinceLastPromotion

-0.05967982630257155 7.717658532272706e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and YearsSinceLastPromotion

JobLevel VS YearsWithCurrManager

-0.0538976979196046 0.0003577654828390506

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and YearsWithCurrManager

JobLevel VS Non-Travel

-0.04129082311471452 0.006262683648737606

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Non-Travel

JobLevel VS Travel Frequently

-0.01410088302520149 0.3507106838623087

We are accepting null hypothesis. There is no significant correlation between JobLevel and Travel Frequently

JobLevel VS Travel\_Rarely

0.039696044142141285 0.008588035866366597

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Travel\_Rarely

JobLevel VS Human Resources

Constant variable is not suitable for correlation

JobLevel VS Research & Development

-0.03862883083871489 0.010548057701492726

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Research & Development

JobLevel VS Sales

0.022446055910933238 0.13738030972283685

We are accepting null hypothesis. There is no significant correlation between JobLevel and Sales

JobLevel VS Human Resources

Constant variable is not suitable for correlation

JobLevel VS Life Sciences

0.010731696794838501 0.47756744867498757

We are accepting null hypothesis. There is no significant correlation between JobLevel and Life Sciences

JobLevel VS Marketing

0.03494358000683189 0.02071190192164333

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Marketing

JobLevel VS Medical

-0.031730540623521035 0.035694905333947737

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Medical

JobLevel VS Other

-0.011329776222301547 0.45337298411343874

We are accepting null hypothesis. There is no significant correlation between JobLevel and Other

JobLevel VS Technical Degree

-0.0007576164849540335 0.960012902176923

We are accepting null hypothesis. There is no significant correlation between JobLevel and Technical Degree

JobLevel VS Female

0.02601937233264567 0.08503399499952555

We are accepting null hypothesis. There is no significant correlation between JobLevel and Female

JobLevel VS Male  
-0.026019372332645663 0.08503399499952555  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Male

JobLevel VS Healthcare Representative  
0.008084572761145792 0.5926305581188921  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Healthcare Representative

JobLevel VS Human Resources  
Constant variable is not suitable for correlation

JobLevel VS Laboratory Technician  
-0.030527495823508933 0.043309466043852  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Laboratory Technician

JobLevel VS Manager  
0.025550171010299966 0.09081198933015895  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Manager

JobLevel VS Manufacturing Director  
-0.0037577372184767715 0.8036086096504491  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Manufacturing Director

JobLevel VS Research Director  
0.031797528385018564 0.03530677107291241  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between JobLevel and Research Director

JobLevel VS Research Scientist  
0.014099388142198367 0.3507617619090203  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Research Scientist

JobLevel VS Sales Executive  
-0.020488701144268852 0.17508665931829837  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Sales Executive

JobLevel VS Sales Representative  
-0.02484658912164609 0.1000634190282872  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Sales Representative

JobLevel VS Divorced  
0.015416620302258334 0.3075869113941853  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Divorced

JobLevel VS Married  
0.009010453966229136 0.5509721302322113  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Married

JobLevel VS Single  
-0.023332497462699046 0.12251485874544123  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Single

JobLevel VS Y  
nan nan  
We are accepting null hypothesis. There is no significant correlation between JobLevel and Y

Finding out correlation between MonthlyIncome and all other features

MonthlyIncome VS Age  
-0.04516299865011408 0.0027869147692650607  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Age

MonthlyIncome VS Attrition  
-0.030160293808460664 0.045890862744719166  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Attrition

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Attrition

MonthlyIncome VS DistanceFromHome

-0.022757432572502644 0.1320077119816935

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and DistanceFromHome

MonthlyIncome VS Education

0.007289363749950529 0.629521537432801

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Education

MonthlyIncome VS JobLevel

0.04668786285654726 0.0019922489872820598

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and JobLevel

MonthlyIncome VS MonthlyIncome

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and MonthlyIncome

MonthlyIncome VS NumCompaniesWorked

-0.021445638409842198 0.15578587003237213

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and NumCompaniesWorked

MonthlyIncome VS PercentSalaryHike

0.004606735231476106 0.7604688371097376

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and PercentSalaryHike

MonthlyIncome VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and StandardHours

MonthlyIncome VS StockOptionLevel

0.027242092070790924 0.07136370266609166

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and StockOptionLevel

MonthlyIncome VS TotalWorkingYears

-0.034398115402993056 0.022782337664892387

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and TotalWorkingYears

MonthlyIncome VS TrainingTimesLastYear

0.049780448823567 0.0009793112726420078

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and TrainingTimesLastYear

MonthlyIncome VS YearsAtCompany

8.806532976363916e-05 0.9953499798293928

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and YearsAtCompany

MonthlyIncome VS YearsSinceLastPromotion

0.06447022508510572 1.9465033471862056e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and YearsSinceLastPromotion

MonthlyIncome VS YearsWithCurrManager

0.02309539633489365 0.12636210128075429

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and YearsWithCurrManager

MonthlyIncome VS Non-Travel

0.059281586722607166 8.616300655008938e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Non-Travel

MonthlyIncome VS Travel\_Frequently

-0.028012243702248557 0.06371738376567138

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Travel\_Frequently

MonthlyIncome VS Travel\_Rarely

-0.015438729415585032 0.3068936059459948

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Travel\_Rarely

MonthlyIncome VS Human Resources

Constant variable is not suitable for correlation

MonthlyIncome VS Research & Development

0.06303742231970744 2.9690064300491413e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Research & Development

MonthlyIncome VS Sales

-0.05152294060628027 0.0006450218079783993

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Sales

MonthlyIncome VS Human Resources

Constant variable is not suitable for correlation

MonthlyIncome VS Life Sciences

0.004106375158639469 0.7858127282568833

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Life Sciences

MonthlyIncome VS Marketing

-0.04383215623802573 0.003706583501896087

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Marketing

MonthlyIncome VS Medical

0.030242849236283467 0.04529948634184013

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Medical

MonthlyIncome VS Other

0.00440636617067934 0.7705886557111132

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Other

MonthlyIncome VS Technical Degree

-0.005985439916528186 0.6920262863610637

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Technical Degree

MonthlyIncome VS Female

-0.006805297134839103 0.6524474603827284

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Female

MonthlyIncome VS Male

0.006805297134839102 0.6524474603827284

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Male

MonthlyIncome VS Healthcare Representative

-0.026785572239628297 0.07624062505126943

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Healthcare Representative

MonthlyIncome VS Human Resources

Constant variable is not suitable for correlation

MonthlyIncome VS Laboratory Technician

0.01247382761107148 0.40907503030765935

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Laboratory Technician

MonthlyIncome VS Manager

-0.009595296591319859 0.5254217952668345

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Manager

MonthlyIncome VS Manufacturing Director

0.029240310656608412 0.05293228060756499

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and



we are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Manufacturing Director

MonthlyIncome VS Research Director  
0.003005954056389949 0.8423191846265604

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Research Director

MonthlyIncome VS Research Scientist  
-0.0014130065703157912 0.9254986437785067

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Research Scientist

MonthlyIncome VS Sales Executive  
0.0016817385622316032 0.911383354400945

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Sales Executive

MonthlyIncome VS Sales Representative  
0.003193316161835301 0.8326319998392251

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Sales Representative

MonthlyIncome VS Divorced  
0.03405155279076262 0.02418923652713692

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Divorced

MonthlyIncome VS Married  
0.019744923966432085 0.19127968118040586

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Married

MonthlyIncome VS Single  
-0.05136822428317406 0.0006697266852020769

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between MonthlyIncome and Single

MonthlyIncome VS Y  
nan nan

We are accepting null hypothesis. There is no significant correlation between MonthlyIncome and Y

Finding out correlation between NumCompaniesWorked and all other features

NumCompaniesWorked VS Age  
0.2995267915057386 1.5880409796378413e-91

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Age

NumCompaniesWorked VS Attrition  
0.04283056724472088 0.004572057121620842

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Attrition

NumCompaniesWorked VS DistanceFromHome  
-0.014448563806987847 0.33895910428981324

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and DistanceFromHome

NumCompaniesWorked VS Education  
-0.01621033945310187 0.28334517989260916

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Education

NumCompaniesWorked VS JobLevel  
-0.009758699437015846 0.5183929877416139

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and JobLevel

NumCompaniesWorked VS MonthlyIncome  
-0.021445638409842198 0.15578587003237213

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and MonthlyIncome

NumCompaniesWorked VS NumCompaniesWorked  
1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and NumCompaniesWorked

we are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and NumCompaniesWorked

NumCompaniesWorked VS PercentSalaryHike  
0.030063963186972048 0.04658912164937476

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and PercentSalaryHike

NumCompaniesWorked VS StandardHours  
nan nan

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and StandardHours

NumCompaniesWorked VS StockOptionLevel  
0.016291287721063873 0.280947643467341

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and StockOptionLevel

NumCompaniesWorked VS TotalWorkingYears  
0.2388068655239524 7.13097005091949e-58

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and TotalWorkingYears

NumCompaniesWorked VS TrainingTimesLastYear  
-0.03133473688192505 0.03806325003264739

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and TrainingTimesLastYear

NumCompaniesWorked VS YearsAtCompany  
-0.1172130816932978 7.040787555103512e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and YearsAtCompany

NumCompaniesWorked VS YearsSinceLastPromotion  
-0.03585503074122396 0.01761705869499268

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and YearsSinceLastPromotion

NumCompaniesWorked VS YearsWithCurrManager  
-0.10937191234250107 3.877233513932834e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and YearsWithCurrManager

NumCompaniesWorked VS Non-Travel  
0.00042397326500812505 0.9776161987553735

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Non-Travel

NumCompaniesWorked VS Travel\_Frequently  
-0.0415960085394475 0.005888547375570402

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Travel\_Frequently

NumCompaniesWorked VS Travel\_Rarely  
0.035534636266979225 0.01865538251521541

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Travel\_Rarely

NumCompaniesWorked VS Human Resources  
Constant variable is not suitable for correlation

NumCompaniesWorked VS Research & Development  
0.05141801980382799 0.0006616810344760006

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Research & Development

NumCompaniesWorked VS Sales  
-0.02903013892173355 0.05466172232314428

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Sales

NumCompaniesWorked VS Human Resources  
Constant variable is not suitable for correlation

NumCompaniesWorked VS Life Sciences  
0.006296092319565353 0.6769230110417058

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Life Sciences

and Life Sciences

NumCompaniesWorked VS Marketing

0.012840118892176684 0.395455344906511

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Marketing

NumCompaniesWorked VS Medical

-0.011832318830894726 0.43358945213395184

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Medical

NumCompaniesWorked VS Other

-0.0020572789386822223 0.8917056104950452

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Other

NumCompaniesWorked VS Technical Degree

0.014480505757658498 0.3378922846347854

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Technical Degree

NumCompaniesWorked VS Female

0.06685971848703584 9.441444190932537e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Female

NumCompaniesWorked VS Male

-0.06685971848703584 9.441444190932537e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Male

NumCompaniesWorked VS Healthcare Representative

0.010701268103512983 0.47881699233236863

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Healthcare Representative

NumCompaniesWorked VS Human Resources

Constant variable is not suitable for correlation

NumCompaniesWorked VS Laboratory Technician

0.008410856652958959 0.5777858842135225

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Laboratory Technician

NumCompaniesWorked VS Manager

-0.00554878365187763 0.7134630730651274

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Manager

NumCompaniesWorked VS Manufacturing Director

0.0023300466243094562 0.8774539755256296

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Manufacturing Director

NumCompaniesWorked VS Research Director

0.013205841211210594 0.3821337708605893

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Research Director

NumCompaniesWorked VS Research Scientist

-0.01957907174575945 0.19503615493686854

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Research Scientist

NumCompaniesWorked VS Sales Executive

-0.020421464950802215 0.17650703101414464

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Sales Executive

NumCompaniesWorked VS Sales Representative

0.013674887637350282 0.3654568208400985

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Sales Representative

NumCompaniesWorked VS Divorced

0.04258874423528067 0.0048067320106743045

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between NumCompaniesWorked and Divorced

NumCompaniesWorked VS Married

-0.016034804855139945 0.28859166549257614

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Married

NumCompaniesWorked VS Single

-0.020766608005509068 0.1693062270258839

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Single

NumCompaniesWorked VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between NumCompaniesWorked and Y

Finding out correlation between PercentSalaryHike and all other features

PercentSalaryHike VS Age

-0.0325611628496047 0.031130755678853445

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Age

PercentSalaryHike VS Attrition

0.03315303713546665 0.028192446935106235

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Attrition

PercentSalaryHike VS DistanceFromHome

0.03771996578263588 0.012520918444547115

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and DistanceFromHome

PercentSalaryHike VS Education

-0.04105432267129254 0.006567183299536081

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Education

PercentSalaryHike VS JobLevel

0.010874179485253516 0.4717402394549232

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and JobLevel

PercentSalaryHike VS MonthlyIncome

0.004606735231476106 0.7604688371097376

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and MonthlyIncome

PercentSalaryHike VS NumCompaniesWorked

0.030063963186972048 0.04658912164937476

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and NumCompaniesWorked

PercentSalaryHike VS PercentSalaryHike

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and PercentSalaryHike

PercentSalaryHike VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and StandardHours

PercentSalaryHike VS StockOptionLevel

0.01210406119434609 0.4231030625462282

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and StockOptionLevel

PercentSalaryHike VS TotalWorkingYears

-0.018479943209103972 0.22130467298188033

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and TotalWorkingYears

PercentSalaryHike VS TrainingTimesLastYear

-0.03671972717500447 0.015063442176328067

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and TrainingTimesLastYear

PercentSalaryHike VS YearsAtCompany

-0.029022405495841997 0.054726246637011235

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and YearsAtCompany

PercentSalaryHike VS YearsSinceLastPromotion

-0.02865375767192893 0.057876551814916466

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and YearsSinceLastPromotion

PercentSalaryHike VS YearsWithCurrManager

-0.03968731938968556 0.008602641144365975

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and YearsWithCurrManager

PercentSalaryHike VS Non-Travel

0.036944391205682256 0.01445579739778699

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Non-Travel

PercentSalaryHike VS Travel\_Frequently

-0.0047453827206785865 0.7534901163958772

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Travel\_Frequently

PercentSalaryHike VS Travel\_Rarely

-0.0205674260584871 0.17343444424525115

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Travel\_Rarely

PercentSalaryHike VS Human Resources

Constant variable is not suitable for correlation

PercentSalaryHike VS Research & Development

0.030453711475237476 0.04381808235901422

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Research & Development

PercentSalaryHike VS Sales

-0.01966944756758508 0.1929825340931814

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Sales

PercentSalaryHike VS Human Resources

Constant variable is not suitable for correlation

PercentSalaryHike VS Life Sciences

0.010581724435221759 0.4837432477639923

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Life Sciences

PercentSalaryHike VS Marketing

-0.028269659275184156 0.06131770398438588

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Marketing

PercentSalaryHike VS Medical

0.02925097182486033 0.05284578511468863

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Medical

PercentSalaryHike VS Other

0.01782624932474175 0.23808154344417576

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Other

PercentSalaryHike VS Technical Degree

-0.041385573350282465 0.006144298472718576

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Technical Degree

PercentSalaryHike VS Female

-0.013207153138175255 0.3820864840990256

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike

and Female

PercentSalaryHike VS Male

0.013207153138175252 0.3820864840990256

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Male

PercentSalaryHike VS Healthcare Representative

0.019730351833700168 0.19160758495055222

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Healthcare Representative

PercentSalaryHike VS Human Resources

Constant variable is not suitable for correlation

PercentSalaryHike VS Laboratory Technician

0.040242107719852885 0.00771686945409178

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Laboratory Technician

PercentSalaryHike VS Manager

-0.0027529159206891307 0.8554397103642207

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Manager

PercentSalaryHike VS Manufacturing Director

-0.01768754278877069 0.24175393622753122

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Manufacturing Director

PercentSalaryHike VS Research Director

-0.007691239930233636 0.6107544693974215

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Research Director

PercentSalaryHike VS Research Scientist

-0.009468845057505686 0.530894392088909

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Research Scientist

PercentSalaryHike VS Sales Executive

-0.041850532901298684 0.005592053033359421

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Sales Executive

PercentSalaryHike VS Sales Representative

0.06284723794091493 3.1380844466061275e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between PercentSalaryHike and Sales Representative

PercentSalaryHike VS Divorced

0.004605133278390667 0.7605495854835206

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Divorced

PercentSalaryHike VS Married

-0.017100637848431577 0.25773316694411014

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Married

PercentSalaryHike VS Single

0.014158927557312448 0.3487310300326754

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Single

PercentSalaryHike VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between PercentSalaryHike and Y

Finding out correlation between StandardHours and all other features

StandardHours VS Age

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Age

StandardHours VS Attrition

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Attrition

StandardHours VS DistanceFromHome

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and DistanceFromHome

StandardHours VS Education

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Education

StandardHours VS JobLevel

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and JobLevel

StandardHours VS MonthlyIncome

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and MonthlyIncome

StandardHours VS NumCompaniesWorked

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and NumCompaniesWorked

StandardHours VS PercentSalaryHike

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and PercentSalaryHike

StandardHours VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and StandardHours

StandardHours VS StockOptionLevel

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and StockOptionLevel

StandardHours VS TotalWorkingYears

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and TotalWorkingYears

StandardHours VS TrainingTimesLastYear

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and TrainingTimesLastYear

StandardHours VS YearsAtCompany

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and YearsAtCompany

StandardHours VS YearsSinceLastPromotion

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and YearsSinceLastPromotion

StandardHours VS YearsWithCurrManager

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and YearsWithCurrManager

StandardHours VS Non-Travel

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Non-Travel

StandardHours VS Travel\_Frequently

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Travel\_Frequently

StandardHours VS Travel\_Rarely

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Travel\_Rarely

StandardHours VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Human Resources

StandardHours VS Research & Development

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Research & Development

StandardHours VS Sales

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Sales

StandardHours VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Human Resources

StandardHours VS Life Sciences

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Life Sciences

StandardHours VS Marketing

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Marketing

StandardHours VS Medical

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Medical

StandardHours VS Other

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Other

StandardHours VS Technical Degree

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Technical Degree

StandardHours VS Female

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Female

StandardHours VS Male

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Male

StandardHours VS Healthcare Representative

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Healthcare Representative

StandardHours VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Human Resources

StandardHours VS Laboratory Technician

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Laboratory Technician



StandardHours VS Manager

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Manager

StandardHours VS Manufacturing Director

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Manufacturing Director

StandardHours VS Research Director

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Research Director

StandardHours VS Research Scientist

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Research Scientist

StandardHours VS Sales Executive

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Sales Executive

StandardHours VS Sales Representative

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Sales Representative

StandardHours VS Divorced

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Divorced

StandardHours VS Married

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Married

StandardHours VS Single

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Single

StandardHours VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between StandardHours and Y

Finding out correlation between StockOptionLevel and all other features

StockOptionLevel VS Age

-0.03150398377899284 0.03703467103446055

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Age

StockOptionLevel VS Attrition

-0.008164026684984328 0.588999635831226

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Attrition

StockOptionLevel VS DistanceFromHome

0.009352863687846772 0.5359391556460906

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and DistanceFromHome

StockOptionLevel VS Education

0.002386366436987802 0.8745161468916901

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Education

StockOptionLevel VS JobLevel

0.0003650750182924913 0.980725096581735

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and JobLevel

StockOptionLevel VS MonthlyIncome  
0.027242092070790924 0.07136370266609166  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and MonthlyIncome

StockOptionLevel VS NumCompaniesWorked  
0.016291287721063873 0.280947643467341  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and NumCompaniesWorked

StockOptionLevel VS PercentSalaryHike  
0.01210406119434609 0.4231030625462282  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and PercentSalaryHike

StockOptionLevel VS StandardHours  
nan nan  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and StandardHours

StockOptionLevel VS StockOptionLevel  
1.0 0.0  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and StockOptionLevel

StockOptionLevel VS TotalWorkingYears  
0.0031384962316293235 0.8354637960455177  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and TotalWorkingYears

StockOptionLevel VS TrainingTimesLastYear  
-0.06802809527853182 6.569773975783327e-06  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and TrainingTimesLastYear

StockOptionLevel VS YearsAtCompany  
0.009368965501293888 0.535237346043807  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and YearsAtCompany

StockOptionLevel VS YearsSinceLastPromotion  
0.019888619335669516 0.18806831091874285  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and YearsSinceLastPromotion

StockOptionLevel VS YearsWithCurrManager  
0.019397604101922455 0.19920796404675806  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and YearsWithCurrManager

StockOptionLevel VS Non-Travel  
-0.006175266395209202 0.6827823036608005  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Non-Travel

StockOptionLevel VS Travel\_Frequently  
0.0003035396172538663 0.9839735064073049  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Travel\_Frequently

StockOptionLevel VS Travel\_Rarely  
0.0038594824669293507 0.7984041501225182  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Travel\_Rarely

StockOptionLevel VS Human Resources  
Constant variable is not suitable for correlation

StockOptionLevel VS Research & Development  
-0.021144343917774887 0.1616803555442064  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Research & Development

StockOptionLevel VS Sales  
0.016400886783536957 0.27772352225566793  
We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Sales

nd Sales

StockOptionLevel VS Human Resources  
Constant variable is not suitable for correlation

StockOptionLevel VS Life Sciences  
-0.04138175754334403 0.0061490269039444255

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Life Sciences

StockOptionLevel VS Marketing  
-0.008131938081480607 0.5904648001502135

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Marketing

StockOptionLevel VS Medical  
0.060732820335550386 5.749139388924076e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Medical

StockOptionLevel VS Other  
0.007139208105257274 0.6365963150910011

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Other

StockOptionLevel VS Technical Degree  
-0.02672713359268751 0.07688408560055172

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Technical Degree

StockOptionLevel VS Female  
-0.02204263400642022 0.1445898614316767

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Female

StockOptionLevel VS Male  
0.022042634006420217 0.1445898614316767

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Male

StockOptionLevel VS Healthcare Representative  
0.010256784152296618 0.49727145566261066

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Healthcare Representative

StockOptionLevel VS Human Resources  
Constant variable is not suitable for correlation

StockOptionLevel VS Laboratory Technician  
-0.007191041284335106 0.6341503386700132

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Laboratory Technician

StockOptionLevel VS Manager  
-0.08139333872028207 6.837685226641061e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Manager

StockOptionLevel VS Manufacturing Director  
0.03163383186594608 0.03626166037455088

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Manufacturing Director

StockOptionLevel VS Research Director  
-0.029977566961339602 0.04722295357197516

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Research Director

StockOptionLevel VS Research Scientist  
0.02420796931761661 0.10909708327194279

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Research Scientist

StockOptionLevel VS Sales Executive  
0.04136177192070313 0.006173846027298525

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Sales Executive

StockOptionLevel VS Sales Representative  
-0.030795527373817248 0.0415036093846435

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Sales Representative

StockOptionLevel VS Divorced  
0.011753389115007132 0.4366632293106894

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Divorced

StockOptionLevel VS Married  
-0.03911824916710367 0.00960455113069132

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Married

StockOptionLevel VS Single  
0.03130465025315712 0.038248617513498444

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between StockOptionLevel and Single

StockOptionLevel VS Y  
nan nan

We are accepting null hypothesis. There is no significant correlation between StockOptionLevel and Y

Finding out correlation between TotalWorkingYears and all other features

TotalWorkingYears VS Age  
0.6800365175204985 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Age

TotalWorkingYears VS Attrition  
-0.1696699168472392 1.1645434967091854e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Attrition

TotalWorkingYears VS DistanceFromHome  
0.009573874426958943 0.5263468745824326

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and DistanceFromHome

TotalWorkingYears VS Education  
-0.00922770349397059 0.541410102052

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Education

TotalWorkingYears VS JobLevel  
-0.03629272632200806 0.01628058900098235

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and JobLevel

TotalWorkingYears VS MonthlyIncome  
-0.034398115402993056 0.022782337664892387

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and MonthlyIncome

TotalWorkingYears VS NumCompaniesWorked  
0.2388068655239524 7.13097005091949e-58

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and NumCompaniesWorked

TotalWorkingYears VS PercentSalaryHike  
-0.018479943209103972 0.22130467298188033

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and PercentSalaryHike

TotalWorkingYears VS StandardHours  
nan nan

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and StandardHours

TotalWorkingYears VS StockOptionLevel  
0.0031384962316293235 0.8354637960455177

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and StockOptionLevel

TotalWorkingYears VS TotalWorkingYears  
0.9999999999999998 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and TotalWorkingYears

TotalWorkingYears VS TrainingTimesLastYear  
-0.0414591344601833 0.0060537813134273625

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and TrainingTimesLastYear

TotalWorkingYears VS YearsAtCompany  
0.627738465896378 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and YearsAtCompany

TotalWorkingYears VS YearsSinceLastPromotion  
0.4040575895778747 8.802550746877647e-172

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and YearsSinceLastPromotion

TotalWorkingYears VS YearsWithCurrManager  
0.45864010091273333 6.31396230051923e-227

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and YearsWithCurrManager

TotalWorkingYears VS Non-Travel  
-0.03019337250184773 0.04565313130356397

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Non-Travel

TotalWorkingYears VS Travel\_Frequently  
-0.010908986860123506 0.47032267748086604

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Travel\_Frequently

TotalWorkingYears VS Travel\_Rarely  
0.02954205307818293 0.050529439351068246

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Travel\_Rarely

TotalWorkingYears VS Human Resources  
Constant variable is not suitable for correlation

TotalWorkingYears VS Research & Development  
0.049930941162643044 0.0009450924339658699

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Research & Development

TotalWorkingYears VS Sales  
-0.037430271319923256 0.013215041892813402

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Sales

TotalWorkingYears VS Human Resources  
Constant variable is not suitable for correlation

TotalWorkingYears VS Life Sciences  
0.009931245589488729 0.5110239721505175

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Life Sciences

TotalWorkingYears VS Marketing  
-0.014132944071564419 0.34961633800729336

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Marketing

TotalWorkingYears VS Medical  
0.0073745648342516375 0.6255221841416992

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Medical

TotalWorkingYears VS Other  
-0.0348778443454182 0.02095239964613857

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Other

TotalWorkingYears VS Technical Degree  
0.036895290964950624 0.014586720985745889

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Technical Degree

TotalWorkingYears VS Female  
0.028250928217460215 0.06148975758835103

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Female

TotalWorkingYears VS Male  
-0.028250928217460204 0.06148975758835103

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Male

TotalWorkingYears VS Healthcare Representative  
-0.03843617854689137 0.010941500755792703

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Healthcare Representative

TotalWorkingYears VS Human Resources  
Constant variable is not suitable for correlation

TotalWorkingYears VS Laboratory Technician  
0.035886100562705095 0.0175191145876044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Laboratory Technician

TotalWorkingYears VS Manager  
0.02240125350323492 0.13816702426304564

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Manager

TotalWorkingYears VS Manufacturing Director  
-0.004195160263990508 0.7812981962015839

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Manufacturing Director

TotalWorkingYears VS Research Director  
-0.006453700903212407 0.6693093209303463

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Research Director

TotalWorkingYears VS Research Scientist  
-0.01799794098695526 0.23359060215703767

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Research Scientist

TotalWorkingYears VS Sales Executive  
0.01578588777784041 0.2961430252801273

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Sales Executive

TotalWorkingYears VS Sales Representative  
-0.03634628501036718 0.016123328472949845

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Sales Representative

TotalWorkingYears VS Divorced  
0.03512307276833811 0.02006743072669267

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Divorced

TotalWorkingYears VS Married  
0.054388950432280855 0.00031577013137356583

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Married

TotalWorkingYears VS Single  
-0.08930473065326225 3.1838882626080074e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TotalWorkingYears and Single

TotalWorkingYears VS Y  
nan nan

We are accepting null hypothesis. There is no significant correlation between TotalWorkingYears and Y

Finding out correlation between TrainingTimesLastYear and all other features

TrainingTimesLastYear VS Age

-0.028962483547268093 0.0552283643472825

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Age

TrainingTimesLastYear VS Attrition

-0.04758573693081737 0.0016276603635477602

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Attrition

TrainingTimesLastYear VS DistanceFromHome

-0.008956550762586148 0.5533574213472158

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and DistanceFromHome

TrainingTimesLastYear VS Education

0.00993926191345429 0.5106829497137146

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Education

TrainingTimesLastYear VS JobLevel

-0.03193098863266587 0.03454421208063728

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and JobLevel

TrainingTimesLastYear VS MonthlyIncome

0.049780448823567 0.0009793112726420078

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and MonthlyIncome

TrainingTimesLastYear VS NumCompaniesWorked

-0.03133473688192505 0.03806325003264739

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and NumCompaniesWorked

TrainingTimesLastYear VS PercentSalaryHike

-0.03671972717500447 0.015063442176328067

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and PercentSalaryHike

TrainingTimesLastYear VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and StandardHours

TrainingTimesLastYear VS StockOptionLevel

-0.06802809527853182 6.569773975783327e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and StockOptionLevel

TrainingTimesLastYear VS TotalWorkingYears

-0.0414591344601833 0.0060537813134273625

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and TotalWorkingYears

TrainingTimesLastYear VS TrainingTimesLastYear

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and TrainingTimesLastYear

TrainingTimesLastYear VS YearsAtCompany

-0.010447121942554665 0.4893227993907374

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and YearsAtCompany

TrainingTimesLastYear VS YearsSinceLastPromotion

0.01533995807152122 0.30999893426935193

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and YearsSinceLastPromotion

TrainingTimesLastYear VS YearsWithCurrManager

-0.015792053524301932 0.2959543937659676

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and YearsWithCurrManager

TrainingTimesLastYear and Research & Development

TrainingTimesLastYear VS Non-Travel  
0.05455629488624033 0.00030255097507434224

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Non-Travel

TrainingTimesLastYear VS Travel Frequently  
-0.013841257792698188 0.35965234421493775

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Travel\_Frequently

TrainingTimesLastYear VS Travel\_Rarely  
-0.02448784215946224 0.10506175535839879

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Travel\_Rarely

TrainingTimesLastYear VS Human Resources  
Constant variable is not suitable for correlation

TrainingTimesLastYear VS Research & Development  
0.011522128750179782 0.44574115661201763

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Research & Development

TrainingTimesLastYear VS Sales  
0.0012730312890578263 0.9328605013521583

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Sales

TrainingTimesLastYear VS Human Resources  
Constant variable is not suitable for correlation

TrainingTimesLastYear VS Life Sciences  
0.0328438146600486 0.02969630349989318

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Life Sciences

TrainingTimesLastYear VS Marketing  
-0.0012390433742768521 0.9346489519596152

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Marketing

TrainingTimesLastYear VS Medical  
-0.00974534547097313 0.5189655828929104

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Medical

TrainingTimesLastYear VS Other  
-0.03070442662301418 0.04211011377539307

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Other

TrainingTimesLastYear VS Technical Degree  
-0.0018110628737454644 0.9046001996289043

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Technical Degree

TrainingTimesLastYear VS Female  
0.0325969773142819 0.030945770267819892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Female

TrainingTimesLastYear VS Male  
-0.032596977314281884 0.030945770267819892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Male

TrainingTimesLastYear VS Healthcare Representative  
-0.023976350170504535 0.1125284989807622

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Healthcare Representative

TrainingTimesLastYear VS Human Resources  
Constant variable is not suitable for correlation

TrainingTimesLastYear VS Laboratory Technician  
-0.020924868036599306 0.16607902157582768



0.02092400000000000 0.1000702157002700

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Laboratory Technician

TrainingTimesLastYear VS Manager

0.0031502243877981947 0.8348577819446592

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Manager

TrainingTimesLastYear VS Manufacturing Director

-0.014566450766203401 0.335032551641204

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Manufacturing Director

TrainingTimesLastYear VS Research Director

0.03272018379947589 0.030316582632761768

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Research Director

TrainingTimesLastYear VS Research Scientist

-0.0346203615457293 0.021917993660798097

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Research Scientist

TrainingTimesLastYear VS Sales Executive

0.06072526018229416 5.76140284910491e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between TrainingTimesLastYear and Sales Executive

TrainingTimesLastYear VS Sales Representative

0.019705853329080883 0.19215978435330544

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Sales Representative

TrainingTimesLastYear VS Divorced

-0.0026935636334234916 0.8585231772278626

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Divorced

TrainingTimesLastYear VS Married

-0.018160970710198947 0.22938210886783877

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Married

TrainingTimesLastYear VS Single

0.021783301772567702 0.14937521245036461

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Single

TrainingTimesLastYear VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between TrainingTimesLastYear and Y

Finding out correlation between YearsAtCompany and all other features

YearsAtCompany VS Age

0.3112812913273365 4.495406311353013e-99

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and Age

YearsAtCompany VS Attrition

-0.1330026184252154 9.476118084836507e-19

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and Attrition

YearsAtCompany VS DistanceFromHome

0.03074567424452721 0.04183458471734796

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and DistanceFromHome

YearsAtCompany VS Education

0.005997484326069969 0.69143837695436

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Education

YearsAtCompany VS JobLevel

-0.063360373672713 2.701552301406530e-05

-0.0030037307213 2.701032301400339e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and JobLevel

YearsAtCompany VS MonthlyIncome

8.806532976363916e-05 0.9953499798293928

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and MonthlyIncome

YearsAtCompany VS NumCompaniesWorked

-0.1172130816932978 7.040787555103512e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and NumCompaniesWorked

YearsAtCompany VS PercentSalaryHike

-0.029022405495841997 0.054726246637011235

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and PercentSalaryHike

YearsAtCompany VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and StandardHours

YearsAtCompany VS StockOptionLevel

0.009368965501293888 0.535237346043807

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and StockOptionLevel

YearsAtCompany VS TotalWorkingYears

0.627738465896378 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and TotalWorkingYears

YearsAtCompany VS TrainingTimesLastYear

-0.010447121942554665 0.4893227993907374

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and TrainingTimesLastYear

YearsAtCompany VS YearsAtCompany

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and YearsAtCompany

YearsAtCompany VS YearsSinceLastPromotion

0.6187220939597282 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and YearsSinceLastPromotion

YearsAtCompany VS YearsWithCurrManager

0.7691611201319832 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and YearsWithCurrManager

YearsAtCompany VS Non-Travel

0.0077797008590730354 0.6066569982104137

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Non-Travel

YearsAtCompany VS Travel\_Frequently

0.01489138561958521 0.3243620124677035

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Travel\_Frequently

YearsAtCompany VS Travel\_Rarely

-0.01801421904905056 0.2331679533366855

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Travel\_Rarely

YearsAtCompany VS Human Resources

Constant variable is not suitable for correlation

YearsAtCompany VS Research & Development

0.02652669887995192 0.07912473764584915

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Research & Development

YearsAtCompany VS Sales

YearsAtCompany VS Sales

-0.007933652200125011 0.5995554959536857

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Sales

YearsAtCompany VS Human Resources

Constant variable is not suitable for correlation

YearsAtCompany VS Life Sciences

0.008400183045920398 0.5782687135523432

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Life Sciences

YearsAtCompany VS Marketing

-0.011496770878763607 0.4467430554242255

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Marketing

YearsAtCompany VS Medical

-0.003006421104868177 0.8422950064867727

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Medical

YearsAtCompany VS Other

0.0018574549648921763 0.9021685692135868

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Other

YearsAtCompany VS Technical Degree

0.024513069239036945 0.10470391709728227

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Technical Degree

YearsAtCompany VS Female

0.0186592611128576 0.21685425422558385

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Female

YearsAtCompany VS Male

-0.018659261112857595 0.2168542542256345

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Male

YearsAtCompany VS Healthcare Representative

-0.024100472866973838 0.11067920422315257

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Healthcare Representative

YearsAtCompany VS Human Resources

Constant variable is not suitable for correlation

YearsAtCompany VS Laboratory Technician

0.006924827432913068 0.6467546837394916

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Laboratory Technician

YearsAtCompany VS Manager

0.020602130359446223 0.1727098085274417

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Manager

YearsAtCompany VS Manufacturing Director

0.004823531975230595 0.7495653424145354

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Manufacturing Director

YearsAtCompany VS Research Director

-0.003866721948025795 0.7980341752166694

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Research Director

YearsAtCompany VS Research Scientist

-0.0016931331431776653 0.9107854335556654

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Research Scientist

YearsAtCompany VS Sales Executive

0.010001067000070705 0.47064501066014002

0.01090106/0860/9/95 0.4/064501066014003

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Sales Executive

YearsAtCompany VS Sales Representative

-0.04716703348569648 0.0017892757423998665

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and Sales Representative

YearsAtCompany VS Divorced

0.024558725251033493 0.10405876105038206

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Divorced

YearsAtCompany VS Married

0.04506066631379315 0.002849433792704444

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and Married

YearsAtCompany VS Single

-0.0699492057363176 3.5734926259255127e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsAtCompany and Single

YearsAtCompany VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsAtCompany and Y

Finding out correlation between YearsSinceLastPromotion and all other features

YearsSinceLastPromotion VS Age

0.21565030454065595 2.835994845364307e-47

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and Age

YearsSinceLastPromotion VS Attrition

-0.03142315056330995 0.03752293607395154

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and Attrition

YearsSinceLastPromotion VS DistanceFromHome

0.002242807871810203 0.8820079574741969

We are accepting null hypothesis. There is no significant correlation between YearsSinceLastPromotion and DistanceFromHome

YearsSinceLastPromotion VS Education

0.02345685353377193 0.12053394184915249

We are accepting null hypothesis. There is no significant correlation between YearsSinceLastPromotion and Education

YearsSinceLastPromotion VS JobLevel

-0.05967982630257155 7.717658532272706e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and JobLevel

YearsSinceLastPromotion VS MonthlyIncome

0.06447022508510572 1.9465033471862056e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and MonthlyIncome

YearsSinceLastPromotion VS NumCompaniesWorked

-0.03585503074122396 0.01761705869499268

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and NumCompaniesWorked

YearsSinceLastPromotion VS PercentSalaryHike

-0.02865375767192893 0.057876551814916466

We are accepting null hypothesis. There is no significant correlation between YearsSinceLastPromotion and PercentSalaryHike

YearsSinceLastPromotion VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsSinceLastPromotion and StandardHours

YearsSinceLastPromotion VS StockOptionLevel

0.016888610325668516 0.18886831001071005

0.019888619335669516 0.188068310918/4285

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and StockOptionLevel

YearsSinceLastPromotion VS TotalWorkingYears  
0.4040575895778747 8.802550746877647e-172

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and TotalWorkingYears

YearsSinceLastPromotion VS TrainingTimesLastYear  
0.01533995807152122 0.30999893426935193

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and TrainingTimesLastYear

YearsSinceLastPromotion VS YearsAtCompany  
0.6187220939597282 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and YearsAtCompany

YearsSinceLastPromotion VS YearsSinceLastPromotion  
1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and YearsSinceLastPromotion

YearsSinceLastPromotion VS YearsWithCurrManager  
0.510341386344286 2.594771123366384e-289

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and YearsWithCurrManager

YearsSinceLastPromotion VS Non-Travel  
0.021285547830369754 0.15889723372901574

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Non-Travel

YearsSinceLastPromotion VS Travel\_Frequently  
0.023507357069187766 0.11973664284240812

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Travel\_Frequently

YearsSinceLastPromotion VS Travel\_Rarely  
-0.03444594364817992 0.022593867436722658

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and Travel\_Rarely

YearsSinceLastPromotion VS Human Resources  
Constant variable is not suitable for correlation

YearsSinceLastPromotion VS Research & Development  
0.011870292990648021 0.43211508341116994

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Research & Development

YearsSinceLastPromotion VS Sales  
0.0018544482378543264 0.902326138542634

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Sales

YearsSinceLastPromotion VS Human Resources  
Constant variable is not suitable for correlation

YearsSinceLastPromotion VS Life Sciences  
-0.032234482217898534 0.03286232652662482

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and Life Sciences

YearsSinceLastPromotion VS Marketing  
-0.009118037705238221 0.546226569427003

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Marketing

YearsSinceLastPromotion VS Medical  
0.040565550191614015 0.0072390193878971425

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsSinceLastPromotion and Medical

YearsSinceLastPromotion VS Other  
-0.01289222301606372 0.3935404766975352

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Other

YearsSinceLastPromotion VS Technical Degree  
0.029472235270359373 0.05107713237325371

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Technical Degree

YearsSinceLastPromotion VS Female  
0.023017743448486748 0.12764235054981904

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Female

YearsSinceLastPromotion VS Male  
-0.023017743448486745 0.12764235054981904

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Male

YearsSinceLastPromotion VS Healthcare Representative  
-0.013578121137847995 0.3688596391967395

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Healthcare Representative

YearsSinceLastPromotion VS Human Resources  
Constant variable is not suitable for correlation

YearsSinceLastPromotion VS Laboratory Technician  
-0.0037465816498736156 0.8041797722071798

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Laboratory Technician

YearsSinceLastPromotion VS Manager  
0.014331457507204041 0.3428887595016943

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Manager

YearsSinceLastPromotion VS Manufacturing Director  
0.02613887001947164 0.08361093419451529

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Manufacturing Director

YearsSinceLastPromotion VS Research Director  
-0.007957064814448665 0.5984788183176148

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Research Director

YearsSinceLastPromotion VS Research Scientist  
-0.003041156384672284 0.8404972505438069

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Research Scientist

YearsSinceLastPromotion VS Sales Executive  
0.00018700203656006349 0.9901261259458866

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Sales Executive

YearsSinceLastPromotion VS Sales Representative  
-0.032329509422558717 0.032350330624751525

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between  
YearsSinceLastPromotion and Sales Representative

YearsSinceLastPromotion VS Divorced  
-0.005445014271357006 0.7185916279937977

We are accepting null hypothesis. There is no significant correlation between  
YearsSinceLastPromotion and Divorced

YearsSinceLastPromotion VS Married  
0.053872285042860076 0.0003600739920166537

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between  
YearsSinceLastPromotion and Married

YearsSinceLastPromotion VS Single  
-0.052666464394305584 0.0004870653427368636

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between  
YearsSinceLastPromotion and Single

YearsSinceLastPromotion VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsSinceLastPromotion and Y

Finding out correlation between YearsWithCurrManager and all other features

YearsWithCurrManager VS Age

0.201579910288684 2.0875303019130635e-41

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Age

YearsWithCurrManager VS Attrition

-0.15469153690287274 7.105369646771178e-25

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Attrition

YearsWithCurrManager VS DistanceFromHome

0.02177338782923497 0.14956051962940378

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and DistanceFromHome

YearsWithCurrManager VS Education

0.005644770362844889 0.7087306493842205

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Education

YearsWithCurrManager VS JobLevel

-0.0538976979196046 0.0003577654828390506

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and JobLevel

YearsWithCurrManager VS MonthlyIncome

0.02309539633489365 0.12636210128075429

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and MonthlyIncome

YearsWithCurrManager VS NumCompaniesWorked

-0.10937191234250107 3.877233513932834e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and NumCompaniesWorked

YearsWithCurrManager VS PercentSalaryHike

-0.03968731938968556 0.008602641144365975

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and PercentSalaryHike

YearsWithCurrManager VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and StandardHours

YearsWithCurrManager VS StockOptionLevel

0.019397604101922455 0.19920796404675806

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and StockOptionLevel

YearsWithCurrManager VS TotalWorkingYears

0.45864010091273333 6.31396230051923e-227

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and TotalWorkingYears

YearsWithCurrManager VS TrainingTimesLastYear

-0.015792053524301932 0.2959543937659676

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and TrainingTimesLastYear

YearsWithCurrManager VS YearsAtCompany

0.7691611201319832 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and YearsAtCompany

YearsWithCurrManager VS YearsSinceLastPromotion

0.510341386344286 2.594771123366384e-289

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and YearsSinceLastPromotion

YearsWithCurrManager VS YearsWithCurrManager

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and YearsWithCurrManager

YearsWithCurrManager VS Non-Travel

0.016136807298116534 0.28553504052947415

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Non-Travel

YearsWithCurrManager VS Travel Frequently

0.014373901335403845 0.34146115106960073

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Travel\_Frequently

YearsWithCurrManager VS Travel\_Rarely

-0.023145454737507138 0.12554211072456353

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Travel\_Rarely

YearsWithCurrManager VS Human Resources

Constant variable is not suitable for correlation

YearsWithCurrManager VS Research & Development

0.0238464381247851 0.11449004206162317

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Research & Development

YearsWithCurrManager VS Sales

-0.0026203743515120755 0.862328470516632

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Sales

YearsWithCurrManager VS Human Resources

Constant variable is not suitable for correlation

YearsWithCurrManager VS Life Sciences

0.011831561669853028 0.43361887888532397

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Life Sciences

YearsWithCurrManager VS Marketing

-0.019114998180934255 0.20583407356789749

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Marketing

YearsWithCurrManager VS Medical

0.012131050175015201 0.42206973817710974

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Medical

YearsWithCurrManager VS Other

-0.0046821126341409 0.7566723121259638

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Other

YearsWithCurrManager VS Technical Degree

0.015128313748127729 0.31672254890814705

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Technical Degree

YearsWithCurrManager VS Female

-0.002688186631841093 0.8588026302694906

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Female

YearsWithCurrManager VS Male

0.0026881866318410933 0.8588026302694906

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Male

YearsWithCurrManager VS Healthcare Representative

-0.014857276934745233 0.3254716016454671

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Healthcare Representative

YearsWithCurrManager VS Human Resources

Constant variable is not suitable for correlation



YearsWithCurrManager VS Laboratory Technician

0.012320348555860415 0.4148637582115559

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Laboratory Technician

YearsWithCurrManager VS Manager

-0.04183020140529038 0.005615232526395854

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Manager

YearsWithCurrManager VS Manufacturing Director

-0.02111399772643503 0.16228325190500512

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Manufacturing Director

YearsWithCurrManager VS Research Director

-0.02371880573542766 0.11644326243707384

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Research Director

YearsWithCurrManager VS Research Scientist

0.03986855730152335 0.008303762932710295

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Research Scientist

YearsWithCurrManager VS Sales Executive

0.026740788066867915 0.07673334310616495

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Sales Executive

YearsWithCurrManager VS Sales Representative

-0.03973150657104486 0.008528899409182307

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Sales Representative

YearsWithCurrManager VS Divorced

0.01179479908475665 0.4350490296296547

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Divorced

YearsWithCurrManager VS Married

0.033842255874246135 0.02507486582214912

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Married

YearsWithCurrManager VS Single

-0.04661932326745281 0.0020229499772961507

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between YearsWithCurrManager and Single

YearsWithCurrManager VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between YearsWithCurrManager and Y

Finding out correlation between Non-Travel and all other features

Non-Travel VS Age

-0.011884538680338688 0.43156273592990346

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Age

Non-Travel VS Attrition

-0.07396075688929277 9.521758181308491e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Attrition

Non-Travel VS DistanceFromHome

-0.025666370397226555 0.08935243748672819

We are accepting null hypothesis. There is no significant correlation between Non-Travel and DistanceFromHome

Non-Travel VS Education

-0.006426231081715201 0.6706339063874377

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Education

Non-Travel VS JobLevel

-0.04129082311471452 0.006262683648737606

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and JobLevel

Non-Travel VS MonthlyIncome

0.059281586722607166 8.616300655008938e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and MonthlyIncome

Non-Travel VS NumCompaniesWorked

0.00042397326500812505 0.9776161987553735

We are accepting null hypothesis. There is no significant correlation between Non-Travel and NumCompaniesWorked

Non-Travel VS PercentSalaryHike

0.036944391205682256 0.01445579739778699

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and PercentSalaryHike

Non-Travel VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Non-Travel and StandardHours

Non-Travel VS StockOptionLevel

-0.006175266395209202 0.6827823036608005

We are accepting null hypothesis. There is no significant correlation between Non-Travel and StockOptionLevel

Non-Travel VS TotalWorkingYears

-0.03019337250184773 0.04565313130356397

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and TotalWorkingYears

Non-Travel VS TrainingTimesLastYear

0.05455629488624033 0.00030255097507434224

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and TrainingTimesLastYear

Non-Travel VS YearsAtCompany

0.0077797008590730354 0.6066569982104137

We are accepting null hypothesis. There is no significant correlation between Non-Travel and YearsAtCompany

Non-Travel VS YearsSinceLastPromotion

0.021285547830369754 0.15889723372901574

We are accepting null hypothesis. There is no significant correlation between Non-Travel and YearsSinceLastPromotion

Non-Travel VS YearsWithCurrManager

0.016136807298116534 0.28553504052947415

We are accepting null hypothesis. There is no significant correlation between Non-Travel and YearsWithCurrManager

Non-Travel VS Non-Travel

0.9999999999999991 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Non-Travel

Non-Travel VS Travel\_Frequently

-0.1625200214183033 2.5566252848608907e-27

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Travel\_Frequently

Non-Travel VS Travel\_Rarely

-0.5273731178132159 2.47745243848e-312

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Travel\_Rarely

Non-Travel VS Human Resources

Constant variable is not suitable for correlation

Non-Travel VS Research & Development

0.057145215668156016 0.0001538093139828897

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Research & Development

elation between Non-Travel and Research & Development

Non-Travel VS Sales

-0.042554384306724605 0.004840946140452578

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Sales

Non-Travel VS Human Resources

Constant variable is not suitable for correlation

Non-Travel VS Life Sciences

0.02350739514175696 0.11973604335263328

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Life Sciences

Non-Travel VS Marketing

-0.052244763624713156 0.0005405649392334894

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Marketing

Non-Travel VS Medical

0.011993049508754959 0.4273688969934557

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Medical

Non-Travel VS Other

0.01660306139000492 0.2718423718026776

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Other

Non-Travel VS Technical Degree

-0.002841661022920855 0.8508333568856602

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Technical Degree

Non-Travel VS Female

-0.040775310060046616 0.006943486616230171

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Female

Non-Travel VS Male

0.040775310060046616 0.006943486616230171

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Male

Non-Travel VS Healthcare Representative

-0.009984570835615672 0.5087577005458656

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Healthcare Representative

Non-Travel VS Human Resources

Constant variable is not suitable for correlation

Non-Travel VS Laboratory Technician

-0.01981891972528577 0.1896209881645074

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Laboratory Technician

Non-Travel VS Manager

-0.012379161306381663 0.4126398351183912

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Manager

Non-Travel VS Manufacturing Director

-0.012317115436733568 0.414986219188275

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Manufacturing Director

Non-Travel VS Research Director

-0.0007660690325950719 0.9595671554364557

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Research Director

Non-Travel VS Research Scientist

0.011036932703363846 0.4651322311700326

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Research Scientist

Non-Travel VS Sales Executive

0.024122114321803965 0.11035923993978104

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Sales Executive

Non-Travel VS Sales Representative

0.006053305548131196 0.6887160745172997

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Sales Representative

Non-Travel VS Divorced

0.059566978057794276 7.962877420066587e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Divorced

Non-Travel VS Married

-0.04564069054169231 0.002511314392543382

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Non-Travel and Married

Non-Travel VS Single

-0.004264319938573772 0.7777866644170477

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Single

Non-Travel VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Non-Travel and Y

Finding out correlation between Travel\_Frequently and all other features

Travel\_Frequently VS Age

-0.024217654447472668 0.10895542108371242

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Age

Travel\_Frequently VS Attrition

0.11323113896714168 5.580193360703063e-14

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Attrition

Travel\_Frequently VS DistanceFromHome

-0.0028935146566720915 0.8481442140849604

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and DistanceFromHome

Travel\_Frequently VS Education

0.0047263708731037826 0.7544458882637507

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Education

Travel\_Frequently VS JobLevel

-0.01410088302520149 0.3507106838623087

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and JobLevel

Travel\_Frequently VS MonthlyIncome

-0.028012243702248557 0.06371738376567138

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and MonthlyIncome

Travel\_Frequently VS NumCompaniesWorked

-0.0415960085394475 0.005888547375570402

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and NumCompaniesWorked

Travel\_Frequently VS PercentSalaryHike

-0.0047453827206785865 0.7534901163958772

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and PercentSalaryHike

Travel\_Frequently VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and StandardHours

Travel\_Frequently VS StockOptionLevel  
0.0003035396172538663 0.9839735064073049

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and StockOptionLevel

Travel\_Frequently VS TotalWorkingYears  
-0.010908986860123506 0.47032267748086604

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and TotalWorkingYears

Travel\_Frequently VS TrainingTimesLastYear  
-0.013841257792698188 0.35965234421493775

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and TrainingTimesLastYear

Travel\_Frequently VS YearsAtCompany  
0.01489138561958521 0.3243620124677035

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and YearsAtCompany

Travel\_Frequently VS YearsSinceLastPromotion  
0.023507357069187766 0.11973664284240812

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and YearsSinceLastPromotion

Travel\_Frequently VS YearsWithCurrManager  
0.014373901335403845 0.34146115106960073

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and YearsWithCurrManager

Travel\_Frequently VS Non-Travel  
-0.1625200214183033 2.5566252848608907e-27

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Non-Travel

Travel\_Frequently VS Travel\_Frequently  
0.999999999999998 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Travel\_Frequently

Travel\_Frequently VS Travel\_Rarely  
-0.7526294375964369 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Travel\_Rarely

Travel\_Frequently VS Human Resources  
Constant variable is not suitable for correlation

Travel\_Frequently VS Research & Development  
-0.02870482693115947 0.05743134441308914

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Research & Development

Travel\_Frequently VS Sales  
0.04393083927542776 0.003629928950590167

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Sales

Travel\_Frequently VS Human Resources  
Constant variable is not suitable for correlation

Travel\_Frequently VS Life Sciences  
-0.03678384247951175 0.014887778137517026

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Life Sciences

Travel\_Frequently VS Marketing  
0.03299496466893437 0.028952805128653853

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Marketing

Travel\_Frequently VS Medical  
0.05053072593106284 0.00081942227225869

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Medical

Travel Frequently VS Other

0.012886697608799718 0.39374327336150466

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Other

Travel\_Frequently VS Technical Degree

-0.04050244298725896 0.007330113897515711

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Technical Degree

Travel\_Frequently VS Female

-0.003100121286317271 0.8374473765585261

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Female

Travel\_Frequently VS Male

0.003100121286317278 0.8374473765585261

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Male

Travel\_Frequently VS Healthcare Representative

-0.004591616839963815 0.7612310015856525

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Healthcare Representative

Travel\_Frequently VS Human Resources

Constant variable is not suitable for correlation

Travel\_Frequently VS Laboratory Technician

-0.029914803443197507 0.04768794112112555

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Laboratory Technician

Travel\_Frequently VS Manager

-0.00785082341723733 0.6033715678676321

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Manager

Travel\_Frequently VS Manufacturing Director

0.037777898990106376 0.012386044905534003

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Manufacturing Director

Travel\_Frequently VS Research Director

0.019046765681921946 0.20745760458339832

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Research Director

Travel\_Frequently VS Research Scientist

0.021681315650240937 0.1512898779699716

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Research Scientist

Travel\_Frequently VS Sales Executive

-0.00921184667027965 0.5421052128462518

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Sales Executive

Travel\_Frequently VS Sales Representative

-0.03376521155248527 0.02540786994043751

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Sales Representative

Travel\_Frequently VS Divorced

0.00896791429940843 0.5528541486367704

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Divorced

Travel\_Frequently VS Married

-0.0302968636388895 0.044916045975159566

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Frequently and Married

Travel\_Frequently VS Single

0.02436537967735506 0.10681265610489518

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Single

Travel\_Frequently VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Travel\_Frequently and Y

Finding out correlation between Travel\_Rarely and all other features

Travel\_Rarely VS Age

0.0287841226643483 0.056745710824841866

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Age

Travel\_Rarely VS Attrition

-0.04814605215162269 0.0014323667125359179

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Attrition

Travel\_Rarely VS DistanceFromHome

0.019619135372803728 0.1941238158003023

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and DistanceFromHome

Travel\_Rarely VS Education

0.00021853632971809926 0.988461194856509

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Education

Travel\_Rarely VS JobLevel

0.039696044142141285 0.008588035866366597

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and JobLevel

Travel\_Rarely VS MonthlyIncome

-0.015438729415585032 0.3068936059459948

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and MonthlyIncome

Travel\_Rarely VS NumCompaniesWorked

0.035534636266979225 0.01865538251521541

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and NumCompaniesWorked

Travel\_Rarely VS PercentSalaryHike

-0.0205674260584871 0.17343444424525115

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and PercentSalaryHike

Travel\_Rarely VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and StandardHours

Travel\_Rarely VS StockOptionLevel

0.0038594824669293507 0.7984041501225182

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and StockOptionLevel

Travel\_Rarely VS TotalWorkingYears

0.02954205307818293 0.050529439351068246

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and TotalWorkingYears

Travel\_Rarely VS TrainingTimesLastYear

-0.02448784215946224 0.10506175535839879

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and TrainingTimesLastYear

Travel\_Rarely VS YearsAtCompany

-0.01801421904905056 0.2331679533366855

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and YearsAtCompany

Travel\_Rarely VS YearsSinceLastPromotion

-0.03444594364817992 0.022593867436722658

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and YearsSinceLastPromotion

Travel\_Rarely VS YearsWithCurrManager  
-0.023145454737507138 0.12554211072456353  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and YearsWithCurrManager

Travel\_Rarely VS Non-Travel  
-0.5273731178132159 2.47745243848e-312  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Non-Travel

Travel\_Rarely VS Travel\_Frequently  
-0.7526294375964369 0.0  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Travel\_Frequently

Travel\_Rarely VS Travel\_Rarely  
0.9999999999999992 0.0  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Travel\_Rarely

Travel\_Rarely VS Human Resources  
Constant variable is not suitable for correlation

Travel\_Rarely VS Research & Development  
-0.013416723830327288 0.3745788861594914  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Research & Development

Travel\_Rarely VS Sales  
-0.009430813399230482 0.5325459717843949  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Sales

Travel\_Rarely VS Human Resources  
Constant variable is not suitable for correlation

Travel\_Rarely VS Life Sciences  
0.015987028549685065 0.2900308940796044  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Life Sciences

Travel\_Rarely VS Marketing  
0.0064524141773666865 0.66937134349915  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Marketing

Travel\_Rarely VS Medical  
-0.05151423720510103 0.0006463887504060603  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Medical

Travel\_Rarely VS Other  
-0.02217598974596006 0.142175270147825  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Other

Travel\_Rarely VS Technical Degree  
0.03677219744811295 0.014919548625117943  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Technical Degree

Travel\_Rarely VS Female  
0.029879479685435816 0.047951327294417714  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Female

Travel\_Rarely VS Male  
-0.02987947968543584 0.047951327294417714  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Male

Travel\_Rarely VS Healthcare Representative  
0.010616622253950714 0.48230231448709415  
We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Healthcare Representative

Travel\_Rarely VS Human Resources



Travel\_Rarely VS Human Resources

Constant variable is not suitable for correlation

Travel\_Rarely VS Laboratory Technician

0.03898457367723282 0.009854482502356467

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Laboratory Technician

Travel\_Rarely VS Manager

0.015021014137576469 0.32016755746389874

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Manager

Travel\_Rarely VS Manufacturing Director

-0.02431044652578462 0.10760553313842554

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Manufacturing Director

Travel\_Rarely VS Research Director

-0.015889610564694637 0.29298048636617513

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Research Director

Travel\_Rarely VS Research Scientist

-0.02603450667959568 0.08485268905150621

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Research Scientist

Travel\_Rarely VS Sales Executive

-0.0081649236485283 0.588958704620809

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Sales Executive

Travel\_Rarely VS Sales Representative

0.025035136297528286 0.09751346849429611

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Sales Representative

Travel\_Rarely VS Divorced

-0.04747211183587098 0.0016701362778485255

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Divorced

Travel\_Rarely VS Married

0.056544842856858964 0.00018038720381802076

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Travel\_Rarely and Married

Travel\_Rarely VS Single

-0.01813493232837509 0.23005062696331358

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Single

Travel\_Rarely VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Travel\_Rarely and Y

Finding out correlation between Human Resources and all other features

Human Resources VS Age

Constant variable is not suitable for correlation

Human Resources VS Attrition

Constant variable is not suitable for correlation

Human Resources VS DistanceFromHome

Constant variable is not suitable for correlation

Human Resources VS Education

Constant variable is not suitable for correlation

Human Resources VS JobLevel

Constant variable is not suitable for correlation

Human Resources VS MonthlyIncome

Constant variable is not suitable for correlation

Human Resources VS NumCompaniesWorked  
Constant variable is not suitable for correlation

Human Resources VS PercentSalaryHike  
Constant variable is not suitable for correlation

Human Resources VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Human Resources and StandardHours

Human Resources VS StockOptionLevel  
Constant variable is not suitable for correlation

Human Resources VS TotalWorkingYears  
Constant variable is not suitable for correlation

Human Resources VS TrainingTimesLastYear  
Constant variable is not suitable for correlation

Human Resources VS YearsAtCompany  
Constant variable is not suitable for correlation

Human Resources VS YearsSinceLastPromotion  
Constant variable is not suitable for correlation

Human Resources VS YearsWithCurrManager  
Constant variable is not suitable for correlation

Human Resources VS Non-Travel  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Frequently  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Rarely  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Research & Development  
Constant variable is not suitable for correlation

Human Resources VS Sales  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Life Sciences  
Constant variable is not suitable for correlation

Human Resources VS Marketing  
Constant variable is not suitable for correlation

Human Resources VS Medical  
Constant variable is not suitable for correlation

Human Resources VS Other  
Constant variable is not suitable for correlation

Human Resources VS Technical Degree  
Constant variable is not suitable for correlation

Human Resources VS Female  
Constant variable is not suitable for correlation

Human Resources VS Male  
Constant variable is not suitable for correlation

Human Resources VS Healthcare Representative  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Laboratory Technician  
Constant variable is not suitable for correlation

Human Resources VS Manager  
Constant variable is not suitable for correlation

Human Resources VS Manufacturing Director  
Constant variable is not suitable for correlation

Human Resources VS Research Director  
Constant variable is not suitable for correlation

Human Resources VS Research Scientist  
Constant variable is not suitable for correlation

Human Resources VS Sales Executive  
Constant variable is not suitable for correlation

Human Resources VS Sales Representative  
Constant variable is not suitable for correlation

Human Resources VS Divorced  
Constant variable is not suitable for correlation

Human Resources VS Married  
Constant variable is not suitable for correlation

Human Resources VS Single  
Constant variable is not suitable for correlation

Human Resources VS Y  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Human Resources and Y

Finding out correlation between Research & Development and all other features

Research & Development VS Age  
0.018738726019737015 0.21490276741900607  
We are accepting null hypothesis. There is no significant correlation between Research & Development and Age

Research & Development VS Attrition  
-0.015583440078272181 0.3023812846092362  
We are accepting null hypothesis. There is no significant correlation between Research & Development and Attrition

Research & Development VS DistanceFromHome  
0.006739929825911529 0.6555692672001258  
We are accepting null hypothesis. There is no significant correlation between Research & Development and DistanceFromHome

Research & Development VS Education  
-0.00839701223570576 0.5784121842756691  
We are accepting null hypothesis. There is no significant correlation between Research & Development and Education

Research & Development VS JobLevel  
-0.03862883083871489 0.010548057701492726  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and JobLevel

Research & Development VS MonthlyIncome  
0.06303742231970744 2.9690064300491413e-05  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and MonthlyIncome

Research & Development VS NumCompaniesWorked  
0.05141801980382799 0.0006616810344760006  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and NumCompaniesWorked

Research & Development VS PercentSalaryHike  
0.030453711475237476 0.04381808235901422  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and PercentSalaryHike

Research & Development VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Research & Development and StandardHours

Research & Development VS StockOptionLevel

-0.021144343917774887 0.1616803555442064

We are accepting null hypothesis. There is no significant correlation between Research & Development and StockOptionLevel

Research & Development VS TotalWorkingYears

0.049930941162643044 0.0009450924339658699

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and TotalWorkingYears

Research & Development VS TrainingTimesLastYear

0.011522128750179782 0.44574115661201763

We are accepting null hypothesis. There is no significant correlation between Research & Development and TrainingTimesLastYear

Research & Development VS YearsAtCompany

0.02652669887995192 0.07912473764584915

We are accepting null hypothesis. There is no significant correlation between Research & Development and YearsAtCompany

Research & Development VS YearsSinceLastPromotion

0.011870292990648021 0.43211508341116994

We are accepting null hypothesis. There is no significant correlation between Research & Development and YearsSinceLastPromotion

Research & Development VS YearsWithCurrManager

0.0238464381247851 0.11449004206162317

We are accepting null hypothesis. There is no significant correlation between Research & Development and YearsWithCurrManager

Research & Development VS Non-Travel

0.057145215668156016 0.0001538093139828897

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Non-Travel

Research & Development VS Travel\_Frequently

-0.02870482693115947 0.05743134441308914

We are accepting null hypothesis. There is no significant correlation between Research & Development and Travel\_Frequently

Research & Development VS Travel\_Rarely

-0.013416723830327288 0.3745788861594914

We are accepting null hypothesis. There is no significant correlation between Research & Development and Travel\_Rarely

Research & Development VS Human Resources

Constant variable is not suitable for correlation

Research & Development VS Research & Development

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Research & Development

Research & Development VS Sales

-0.907200077397345 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Sales

Research & Development VS Human Resources

Constant variable is not suitable for correlation

Research & Development VS Life Sciences

0.12787227946318874 1.9420539020969575e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Life Sciences

Research & Development VS Marketing

-0.4791755190500966 1.9845456084470187e-250

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Marketing

Research & Development VS Medical

Research & Development VS Medical

0.18515907134468937 4.2780546429951594e-35

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Medical

Research & Development VS Other

0.06373838626899556 2.4175841926667477e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Other

Research & Development VS Technical Degree

0.03648118974258609 0.015733118357159355

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Technical Degree

Research & Development VS Female

0.0106768958101612 0.4798191180867427

We are accepting null hypothesis. There is no significant correlation between Research & Development and Female

Research & Development VS Male

-0.010676895810161159 0.4798191180867427

We are accepting null hypothesis. There is no significant correlation between Research & Development and Male

Research & Development VS Healthcare Representative

0.00787186176590891 0.6024012589588218

We are accepting null hypothesis. There is no significant correlation between Research & Development and Healthcare Representative

Research & Development VS Human Resources

Constant variable is not suitable for correlation

Research & Development VS Laboratory Technician

-0.018116489519523417 0.2305249709868388

We are accepting null hypothesis. There is no significant correlation between Research & Development and Laboratory Technician

Research & Development VS Manager

0.012417274254144718 0.4112024256586769

We are accepting null hypothesis. There is no significant correlation between Research & Development and Manager

Research & Development VS Manufacturing Director

0.0024454315546971863 0.8714369712475143

We are accepting null hypothesis. There is no significant correlation between Research & Development and Manufacturing Director

Research & Development VS Research Director

-0.004142203987295531 0.7839900331682818

We are accepting null hypothesis. There is no significant correlation between Research & Development and Research Director

Research & Development VS Research Scientist

-0.010961100492070634 0.468204705749161

We are accepting null hypothesis. There is no significant correlation between Research & Development and Research Scientist

Research & Development VS Sales Executive

-0.010916534696316604 0.47001559555367467

We are accepting null hypothesis. There is no significant correlation between Research & Development and Sales Executive

Research & Development VS Sales Representative

0.03367964685323917 0.025782178133719108

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research & Development and Sales Representative

Research & Development VS Divorced

-0.022179603704017697 0.1421102678627255

We are accepting null hypothesis. There is no significant correlation between Research & Development and Divorced

Research & Development VS Married

0.028691020743478027 0.057551421173789474

We are accepting null hypothesis. There is no significant correlation between Research & Development and Married

Research & Development VS Single

-0.010898849202721252 0.47073529990264595

We are accepting null hypothesis. There is no significant correlation between Research & Development and Single

Research & Development VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Research & Development and Y

Finding out correlation between Sales and all other features

Sales VS Age

-0.016644338965929765 0.2706521857055726

We are accepting null hypothesis. There is no significant correlation between Sales and Age

Sales VS Attrition

-0.017531072920331174 0.24594425184615867

We are accepting null hypothesis. There is no significant correlation between Sales and Attrition

Sales VS DistanceFromHome

0.0034501591453858812 0.8193939089332034

We are accepting null hypothesis. There is no significant correlation between Sales and DistanceFromHome

Sales VS Education

0.002203881981795563 0.8840412100719045

We are accepting null hypothesis. There is no significant correlation between Sales and Education

Sales VS JobLevel

0.022446055910933238 0.13738030972283685

We are accepting null hypothesis. There is no significant correlation between Sales and JobLevel

Sales VS MonthlyIncome

-0.05152294060628027 0.0006450218079783993

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and MonthlyIncome

Sales VS NumCompaniesWorked

-0.02903013892173355 0.05466172232314428

We are accepting null hypothesis. There is no significant correlation between Sales and NumCompaniesWorked

Sales VS PercentSalaryHike

-0.01966944756758508 0.1929825340931814

We are accepting null hypothesis. There is no significant correlation between Sales and PercentSalaryHike

Sales VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Sales and StandardHours

Sales VS StockOptionLevel

0.016400886783536957 0.27772352225566793

We are accepting null hypothesis. There is no significant correlation between Sales and StockOptionLevel

Sales VS TotalWorkingYears

-0.037430271319923256 0.013215041892813402

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and TotalWorkingYears

Sales VS TrainingTimesLastYear

0.0012730312890578263 0.9328605013521583

We are accepting null hypothesis. There is no significant correlation between Sales and TrainingTimesLastYear

Sales VS YearsAtCompany

-0.007933652200125011 0.5995554959536857

We are accepting null hypothesis. There is no significant correlation between Sales and YearsAtCompany

Sales VS YearsSinceLastPromotion

0.0018544482378543264 0.902326138542634

We are accepting null hypothesis. There is no significant correlation between Sales and YearsSinceLastPromotion

Sales VS YearsWithCurrManager

-0.0026203743515120755 0.862328470516632

We are accepting null hypothesis. There is no significant correlation between Sales and YearsWithCurrManager

Sales VS Non-Travel

-0.042554384306724605 0.004840946140452578

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Non-Travel

Sales VS Travel\_Frequently

0.04393083927542776 0.003629928950590167

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Travel\_Frequently

Sales VS Travel\_Rarely

-0.009430813399230482 0.5325459717843949

We are accepting null hypothesis. There is no significant correlation between Sales and Travel\_Rarely

Sales VS Human Resources

Constant variable is not suitable for correlation

Sales VS Research & Development

-0.907200077397345 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Research & Development

Sales VS Sales

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Sales

Sales VS Human Resources

Constant variable is not suitable for correlation

Sales VS Life Sciences

-0.10300254430683417 8.219644690564264e-12

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Life Sciences

Sales VS Marketing

0.528191664648881 1.795788683e-313

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Marketing

Sales VS Medical

-0.1690642763653462 1.8559554318155483e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Medical

Sales VS Other

-0.0628959234091154 3.0939514582970496e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Other

Sales VS Technical Degree

-0.029525823498764602 0.05065631316868341

We are accepting null hypothesis. There is no significant correlation between Sales and Technical Degree

Sales VS Female

-0.007060819022656004 0.6403029757925324

We are accepting null hypothesis. There is no significant correlation between Sales and Female

Sales VS Male

0.007060819022656033 0.6403029757925324

We are accepting null hypothesis. There is no significant correlation between Sales and Male

Sales VS Healthcare Representative

0.0068634669655143095 0.6496744964904679

We are accepting null hypothesis. There is no significant correlation between Sales and Healthcare Representative

Healthcare Representative

Sales VS Human Resources

Constant variable is not suitable for correlation

Sales VS Laboratory Technician

0.012218860570231915 0.41871799963708234

We are accepting null hypothesis. There is no significant correlation between Sales and Laboratory Technician

Sales VS Manager

-0.005016323723834109 0.7399109216853529

We are accepting null hypothesis. There is no significant correlation between Sales and Manager

Sales VS Manufacturing Director

-0.012038073554419191 0.4256357514946066

We are accepting null hypothesis. There is no significant correlation between Sales and Manufacturing Director

Sales VS Research Director

0.01989692217418945 0.18788397800982368

We are accepting null hypothesis. There is no significant correlation between Sales and Research Director

Sales VS Research Scientist

0.012849091886566803 0.3951251795911093

We are accepting null hypothesis. There is no significant correlation between Sales and Research Scientist

Sales VS Sales Executive

-0.0034923442728378266 0.8172244256826091

We are accepting null hypothesis. There is no significant correlation between Sales and Sales Executive

Sales VS Sales Representative

-0.038088925556224194 0.011683710708753096

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Sales Representative

Sales VS Divorced

0.04852820656185458 0.0013118136022111993

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Divorced

Sales VS Married

-0.039004774632753494 0.009816345273644222

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales and Married

Sales VS Single

-0.0015289556385631449 0.9194052185429161

We are accepting null hypothesis. There is no significant correlation between Sales and Single

Sales VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Sales and Y

Finding out correlation between Human Resources and all other features

Human Resources VS Age

Constant variable is not suitable for correlation

Human Resources VS Attrition

Constant variable is not suitable for correlation

Human Resources VS DistanceFromHome

Constant variable is not suitable for correlation

Human Resources VS Education

Constant variable is not suitable for correlation

Human Resources VS JobLevel

Constant variable is not suitable for correlation

Human Resources VS MonthlyIncome

Constant variable is not suitable for correlation



Human Resources VS NumCompaniesWorked  
Constant variable is not suitable for correlation

Human Resources VS PercentSalaryHike  
Constant variable is not suitable for correlation

Human Resources VS StandardHours  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Human Resources and StandardHours

Human Resources VS StockOptionLevel  
Constant variable is not suitable for correlation

Human Resources VS TotalWorkingYears  
Constant variable is not suitable for correlation

Human Resources VS TrainingTimesLastYear  
Constant variable is not suitable for correlation

Human Resources VS YearsAtCompany  
Constant variable is not suitable for correlation

Human Resources VS YearsSinceLastPromotion  
Constant variable is not suitable for correlation

Human Resources VS YearsWithCurrManager  
Constant variable is not suitable for correlation

Human Resources VS Non-Travel  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Frequently  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Rarely  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Research & Development  
Constant variable is not suitable for correlation

Human Resources VS Sales  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Life Sciences  
Constant variable is not suitable for correlation

Human Resources VS Marketing  
Constant variable is not suitable for correlation

Human Resources VS Medical  
Constant variable is not suitable for correlation

Human Resources VS Other  
Constant variable is not suitable for correlation

Human Resources VS Technical Degree  
Constant variable is not suitable for correlation

Human Resources VS Female  
Constant variable is not suitable for correlation

Human Resources VS Male  
Constant variable is not suitable for correlation

Human Resources VS Healthcare Representative  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Laboratory Technician  
Constant variable is not suitable for correlation

Human Resources VS Manager  
Constant variable is not suitable for correlation

Human Resources VS Manufacturing Director  
Constant variable is not suitable for correlation

Human Resources VS Research Director  
Constant variable is not suitable for correlation

Human Resources VS Research Scientist  
Constant variable is not suitable for correlation

Human Resources VS Sales Executive  
Constant variable is not suitable for correlation

Human Resources VS Sales Representative  
Constant variable is not suitable for correlation

Human Resources VS Divorced  
Constant variable is not suitable for correlation

Human Resources VS Married  
Constant variable is not suitable for correlation

Human Resources VS Single  
Constant variable is not suitable for correlation

Human Resources VS Y  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Human Resources and Y

Finding out correlation between Life Sciences and all other features

Life Sciences VS Age  
-0.002063073316684762 0.8914024838001627  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and Age

Life Sciences VS Attrition  
0.013174583907034396 0.383261461930107  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and Attrition

Life Sciences VS DistanceFromHome  
0.010847074155946825 0.4728457571999287  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and DistanceFromHome

Life Sciences VS Education  
0.005095933465995001 0.7359361294719584  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and Education

Life Sciences VS JobLevel  
0.010731696794838501 0.47756744867498757  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and JobLevel

Life Sciences VS MonthlyIncome  
0.004106375158639469 0.7858127282568833  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and MonthlyIncome

Life Sciences VS NumCompaniesWorked  
0.006296092319565353 0.6769230110417058  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and NumCompaniesWorked

Life Sciences VS PercentSalaryHike  
0.010581724435221759 0.4837432477639923  
We are accepting null hypothesis. There is no significant correlation between Life Sciences and PercentSalaryHike

Life Sciences VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Life Sciences and StandardHours

Life Sciences VS StockOptionLevel

-0.04138175754334403 0.0061490269039444255

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and StockOptionLevel

Life Sciences VS TotalWorkingYears

0.009931245589488729 0.5110239721505175

We are accepting null hypothesis. There is no significant correlation between Life Sciences and TotalWorkingYears

Life Sciences VS TrainingTimesLastYear

0.0328438146600486 0.02969630349989318

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and TrainingTimesLastYear

Life Sciences VS YearsAtCompany

0.008400183045920398 0.5782687135523432

We are accepting null hypothesis. There is no significant correlation between Life Sciences and YearsAtCompany

Life Sciences VS YearsSinceLastPromotion

-0.032234482217898534 0.03286232652662482

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and YearsSinceLastPromotion

Life Sciences VS YearsWithCurrManager

0.011831561669853028 0.43361887888532397

We are accepting null hypothesis. There is no significant correlation between Life Sciences and YearsWithCurrManager

Life Sciences VS Non-Travel

0.02350739514175696 0.11973604335263328

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Non-Travel

Life Sciences VS Travel\_Frequently

-0.03678384247951175 0.014887778137517026

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Travel\_Frequently

Life Sciences VS Travel\_Rarely

0.015987028549685065 0.2900308940796044

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Travel\_Rarely

Life Sciences VS Human Resources

Constant variable is not suitable for correlation

Life Sciences VS Research & Development

0.12787227946318874 1.9420539020969575e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Research & Development

Life Sciences VS Sales

-0.10300254430683417 8.219644690564264e-12

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Sales

Life Sciences VS Human Resources

Constant variable is not suitable for correlation

Life Sciences VS Life Sciences

0.9999999999999998 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Life Sciences

Life Sciences VS Marketing

-0.29195172312864504 7.618351010904561e-87

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Marketing

Life Sciences VS Medical

-0.569203365003758 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Medical

Life Sciences VS Other

-0.20332258081277493 4.131822361564164e-42

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Other

Life Sciences VS Technical Degree

-0.26244755387594887 6.088354007860882e-70

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Technical Degree

Life Sciences VS Female

-0.005410527984656197 0.7202988533275381

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Female

Life Sciences VS Male

0.005410527984656157 0.7202988533272221

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Male

Life Sciences VS Healthcare Representative

0.020665382163384056 0.17139491825781114

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Healthcare Representative

Life Sciences VS Human Resources

Constant variable is not suitable for correlation

Life Sciences VS Laboratory Technician

-0.012874621829875893 0.3941867056410375

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Laboratory Technician

Life Sciences VS Manager

0.020582030350797503 0.17312922613419993

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Manager

Life Sciences VS Manufacturing Director

0.022140260900588852 0.14281913415384173

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Manufacturing Director

Life Sciences VS Research Director

0.010910252204217541 0.470271189529355

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Research Director

Life Sciences VS Research Scientist

-0.0027714371515940583 0.8544779455922616

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Research Scientist

Life Sciences VS Sales Executive

-0.025456131311329094 0.09200718035060812

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Sales Executive

Life Sciences VS Sales Representative

-0.012863264766231373 0.39460402167258407

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Sales Representative

Life Sciences VS Divorced

-0.05558700924960314 0.00023189129189592775

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Divorced

Life Sciences VS Married

0.009150806154863085 0.5447851740557639

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Married

Life Sciences VS Single

0.03967785157186987 0.008618515426332001

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Life Sciences and Single

Life Sciences VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Life Sciences and Y

Finding out correlation between Marketing and all other features

Marketing VS Age

-0.033291205647498115 0.02754198229176612

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Age

Marketing VS Attrition

-0.002838111620665681 0.8510174936050671

We are accepting null hypothesis. There is no significant correlation between Marketing and Attrition

Marketing VS DistanceFromHome

0.004662508643243092 0.757659143535216

We are accepting null hypothesis. There is no significant correlation between Marketing and DistanceFromHome

Marketing VS Education

-0.009582340639110488 0.5259811763918589

We are accepting null hypothesis. There is no significant correlation between Marketing and Education

Marketing VS JobLevel

0.03494358000683189 0.02071190192164333

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and JobLevel

Marketing VS MonthlyIncome

-0.04383215623802573 0.003706583501896087

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and MonthlyIncome

Marketing VS NumCompaniesWorked

0.012840118892176684 0.395455344906511

We are accepting null hypothesis. There is no significant correlation between Marketing and NumCompaniesWorked

Marketing VS PercentSalaryHike

-0.028269659275184156 0.06131770398438588

We are accepting null hypothesis. There is no significant correlation between Marketing and PercentSalaryHike

Marketing VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Marketing and StandardHours

Marketing VS StockOptionLevel

-0.008131938081480607 0.5904648001502135

We are accepting null hypothesis. There is no significant correlation between Marketing and StockOptionLevel

Marketing VS TotalWorkingYears

-0.014132944071564419 0.34961633800729336

We are accepting null hypothesis. There is no significant correlation between Marketing and TotalWorkingYears

Marketing VS TrainingTimesLastYear

-0.0012390433742768521 0.9346489519596152

We are accepting null hypothesis. There is no significant correlation between Marketing and TrainingTimesLastYear

Marketing VS YearsAtCompany

-0.011496770878763607 0.4467430554242255

We are accepting null hypothesis. There is no significant correlation between Marketing and YearsAtCompany

Marketing VS YearsSinceLastPromotion

-0.009118037705238221 0.546226569427003

We are accepting null hypothesis. There is no significant correlation between Marketing and YearsSinceLastPromotion

Marketing VS YearsWithCurrManager

-0.019114998180934255 0.20583407356789749

We are accepting null hypothesis. There is no significant correlation between Marketing and YearsWithCurrManager

Marketing VS Non-Travel

-0.052244763624713156 0.0005405649392334894

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Non-Travel

Marketing VS Travel\_Frequently

0.03299496466893437 0.028952805128653853

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Travel\_Frequently

Marketing VS Travel\_Rarely

0.0064524141773666865 0.66937134349915

We are accepting null hypothesis. There is no significant correlation between Marketing and Travel\_Rarely

Marketing VS Human Resources

Constant variable is not suitable for correlation

Marketing VS Research & Development

-0.4791755190500966 1.9845456084470187e-250

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Research & Development

Marketing VS Sales

0.528191664648881 1.795788683e-313

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Sales

Marketing VS Human Resources

Constant variable is not suitable for correlation

Marketing VS Life Sciences

-0.29195172312864504 7.618351010904561e-87

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Life Sciences

Marketing VS Marketing

0.9999999999999996 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Marketing

Marketing VS Medical

-0.23703179994665513 5.104017956210787e-57

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Medical

Marketing VS Other

-0.08466906603676377 1.98511715466021e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Other

Marketing VS Technical Degree

-0.10929031680338405 4.036542312807617e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Technical Degree

Marketing VS Female

-0.0035154744094928097 0.8160354891547394

We are accepting null hypothesis. There is no significant correlation between Marketing and Female

Marketing VS Male

0.0035154744094927992 0.8160354891547394

We are accepting null hypothesis. There is no significant correlation between Marketing and Male

Marketing VS Healthcare Representative

-0.031401937679508087 0.03765197382020411

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Healthcare Representative

Marketing VS Human Resources

Constant variable is not suitable for correlation

Marketing VS Laboratory Technician

0.029288885121303794 0.05253914548396826

We are accepting null hypothesis. There is no significant correlation between Marketing and Laboratory Technician

Marketing VS Manager

-0.026138357285365975 0.08361699874470606

We are accepting null hypothesis. There is no significant correlation between Marketing and Manager

Marketing VS Manufacturing Director

-0.03088282045121319 0.04092940815642832

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Manufacturing Director

Marketing VS Research Director

0.03345895995493556 0.026769664385564135

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Research Director

Marketing VS Research Scientist

0.01374727454956421 0.3629241696837153

We are accepting null hypothesis. There is no significant correlation between Marketing and Research Scientist

Marketing VS Sales Executive

0.004080331332894453 0.7871383753550947

We are accepting null hypothesis. There is no significant correlation between Marketing and Sales Executive

Marketing VS Sales Representative

-0.018068221571377358 0.2317696980277544

We are accepting null hypothesis. There is no significant correlation between Marketing and Sales Representative

Marketing VS Divorced

0.04040868510015265 0.007467351209990428

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Marketing and Divorced

Marketing VS Married

-0.011130625956293855 0.46135161047121914

We are accepting null hypothesis. There is no significant correlation between Marketing and Married

Marketing VS Single

-0.02406270206593193 0.11123939138947797

We are accepting null hypothesis. There is no significant correlation between Marketing and Single

Marketing VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Marketing and Y

Finding out correlation between Medical and all other features

Medical VS Age

0.009847054611293156 0.5146127114237955

We are accepting null hypothesis. There is no significant correlation between Medical and Age

Medical VS Attrition

-0.0011038724466464046 0.9417648475065248

We are accepting null hypothesis. There is no significant correlation between Medical and Attrition

Medical VS DistanceFromHome

-0.010029789885605805 0.5068400685397902

We are accepting null hypothesis. There is no significant correlation between Medical and DistanceFromHome

Medical VS Education

-0.019942833887141128 0.18686708908184854

We are accepting null hypothesis. There is no significant correlation between Medical and Education

Medical VS JobLevel

-0.031730540623521035 0.035694905333947737

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and JobLevel

Medical VS MonthlyIncome

0.030242849236283467 0.04529948634184013

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and MonthlyIncome

Medical VS NumCompaniesWorked

-0.011832318830894726 0.43358945213395184

We are accepting null hypothesis. There is no significant correlation between Medical and NumCompaniesWorked

Medical VS PercentSalaryHike

0.02925097182486033 0.05284578511468863

We are accepting null hypothesis. There is no significant correlation between Medical and PercentSalaryHike

Medical VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Medical and StandardHours

Medical VS StockOptionLevel

0.060732820335550386 5.749139388924076e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and StockOptionLevel

Medical VS TotalWorkingYears

0.0073745648342516375 0.6255221841416992

We are accepting null hypothesis. There is no significant correlation between Medical and TotalWorkingYears

Medical VS TrainingTimesLastYear

-0.00974534547097313 0.5189655828929104

We are accepting null hypothesis. There is no significant correlation between Medical and TrainingTimesLastYear

Medical VS YearsAtCompany

-0.003006421104868177 0.8422950064867727

We are accepting null hypothesis. There is no significant correlation between Medical and YearsAtCompany

Medical VS YearsSinceLastPromotion

0.040565550191614015 0.0072390193878971425

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and YearsSinceLastPromotion

Medical VS YearsWithCurrManager

0.012131050175015201 0.42206973817710974

We are accepting null hypothesis. There is no significant correlation between Medical and YearsWithCurrManager

Medical VS Non-Travel

0.011993049508754959 0.4273688969934557

We are accepting null hypothesis. There is no significant correlation between Medical and Non-Travel

Medical VS Travel Frequently

0.05053072593106284 0.00081942227225869

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Travel\_Frequently

Medical VS Travel\_Rarely

-0.05151423720510103 0.0006463887504060603

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Travel\_Rarely

Medical VS Human Resources

Constant variable is not suitable for correlation



Constant variable is not suitable for correlation

Medical VS Research & Development

0.18515907134468937 4.2780546429951594e-35

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Research & Development

Medical VS Sales

-0.1690642763653462 1.8559554318155483e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Sales

Medical VS Human Resources

Constant variable is not suitable for correlation

Medical VS Life Sciences

-0.569203365003758 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Life Sciences

Medical VS Marketing

-0.23703179994665513 5.104017956210787e-57

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Marketing

Medical VS Medical

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Medical

Medical VS Other

-0.1650749541170382 3.82821718987753e-28

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Other

Medical VS Technical Degree

-0.21307774936269694 3.609050889121669e-46

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Technical Degree

Medical VS Female

0.030036584052221153 0.04678920493012589

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Female

Medical VS Male

-0.030036584052221166 0.04678920493012589

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Male

Medical VS Healthcare Representative

-0.010267506245534928 0.4968218725771811

We are accepting null hypothesis. There is no significant correlation between Medical and Healthcare Representative

Medical VS Human Resources

Constant variable is not suitable for correlation

Medical VS Laboratory Technician

-0.0016982485337765554 0.9105170242324098

We are accepting null hypothesis. There is no significant correlation between Medical and Laboratory Technician

Medical VS Manager

-0.01234431259330828 0.41395673739162414

We are accepting null hypothesis. There is no significant correlation between Medical and Manager

Medical VS Manufacturing Director

-0.020797614029339266 0.16867028311882057

We are accepting null hypothesis. There is no significant correlation between Medical and Manufacturing Director

Medical VS Research Director

-0.03452007206290478 0.0223044365313022

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Research Director

Medical VS Research Scientist

0.02752705658939015 0.06845118681142233

We are accepting null hypothesis. There is no significant correlation between Medical and Research Scientist

Medical VS Sales Executive

0.011607286754198833 0.442385913234

We are accepting null hypothesis. There is no significant correlation between Medical and Sales Executive

Medical VS Sales Representative

0.02398364123290922 0.11241920101177971

We are accepting null hypothesis. There is no significant correlation between Medical and Sales Representative

Medical VS Divorced

0.03241318897113388 0.031905146636717716

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Medical and Divorced

Medical VS Married

-0.02201191032198135 0.14515058356577484

We are accepting null hypothesis. There is no significant correlation between Medical and Married

Medical VS Single

-0.005334393044649464 0.7240728022593587

We are accepting null hypothesis. There is no significant correlation between Medical and Single

Medical VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Medical and Y

Finding out correlation between Other and all other features

Other VS Age

-0.002259266544989873 0.8811484890847672

We are accepting null hypothesis. There is no significant correlation between Other and Age

Other VS Attrition

-0.02507069748771002 0.09703840207697333

We are accepting null hypothesis. There is no significant correlation between Other and Attrition

Other VS DistanceFromHome

-0.013944130543683193 0.35609235399978273

We are accepting null hypothesis. There is no significant correlation between Other and DistanceFromHome

Other VS Education

0.0479644466993509 0.0014931628483673895

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Education

Other VS JobLevel

-0.011329776222301547 0.45337298411343874

We are accepting null hypothesis. There is no significant correlation between Other and JobLevel

Other VS MonthlyIncome

0.00440636617067934 0.7705886557111132

We are accepting null hypothesis. There is no significant correlation between Other and MonthlyIncome

Other VS NumCompaniesWorked

-0.0020572789386822223 0.8917056104950452

We are accepting null hypothesis. There is no significant correlation between Other and NumCompaniesWorked

Other VS PercentSalaryHike

0.01782624932474175 0.23808154344417576

We are accepting null hypothesis. There is no significant correlation between Other and PercentSalaryHike

Other VS StandardHours

nan nan

nan nan

We are accepting null hypothesis. There is no significant correlation between Other and StandardHours

Other VS StockOptionLevel

0.007139208105257274 0.6365963150910011

We are accepting null hypothesis. There is no significant correlation between Other and StockOptionLevel

Other VS TotalWorkingYears

-0.0348778443454182 0.02095239964613857

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and TotalWorkingYears

Other VS TrainingTimesLastYear

-0.03070442662301418 0.04211011377539307

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and TrainingTimesLastYear

Other VS YearsAtCompany

0.0018574549648921763 0.9021685692135868

We are accepting null hypothesis. There is no significant correlation between Other and YearsAtCompany

Other VS YearsSinceLastPromotion

-0.01289222301606372 0.3935404766975352

We are accepting null hypothesis. There is no significant correlation between Other and YearsSinceLastPromotion

Other VS YearsWithCurrManager

-0.0046821126341409 0.7566723121259638

We are accepting null hypothesis. There is no significant correlation between Other and YearsWithCurrManager

Other VS Non-Travel

0.01660306139000492 0.2718423718026776

We are accepting null hypothesis. There is no significant correlation between Other and Non-Travel

Other VS Travel\_Frequently

0.012886697608799718 0.39374327336150466

We are accepting null hypothesis. There is no significant correlation between Other and Travel\_Frequently

Other VS Travel\_Rarely

-0.02217598974596006 0.142175270147825

We are accepting null hypothesis. There is no significant correlation between Other and Travel\_Rarely

Other VS Human Resources

Constant variable is not suitable for correlation

Other VS Research & Development

0.06373838626899556 2.4175841926667477e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Research & Development

Other VS Sales

-0.0628959234091154 3.0939514582970496e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Sales

Other VS Human Resources

Constant variable is not suitable for correlation

Other VS Life Sciences

-0.20332258081277493 4.131822361564164e-42

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Life Sciences

Other VS Marketing

-0.08466906603676377 1.98511715466021e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Marketing

Other VS Medical

-0.1650749541170382 3.82821718987753e-28

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Medical

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Medical

Other VS Other

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Other

Other VS Technical Degree

-0.07611254707518317 4.5523634928971596e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Technical Degree

Other VS Female

-0.0036111802861343145 0.8111205378418992

We are accepting null hypothesis. There is no significant correlation between Other and Female

Other VS Male

0.0036111802861343145 0.8111205378418992

We are accepting null hypothesis. There is no significant correlation between Other and Male

Other VS Healthcare Representative

0.004687307972843893 0.7564108540497831

We are accepting null hypothesis. There is no significant correlation between Other and Healthcare Representative

Other VS Human Resources

Constant variable is not suitable for correlation

Other VS Laboratory Technician

-0.018387495413372604 0.22362449430584372

We are accepting null hypothesis. There is no significant correlation between Other and Laboratory Technician

Other VS Manager

0.01570911015009406 0.29849865476107973

We are accepting null hypothesis. There is no significant correlation between Other and Manager

Other VS Manufacturing Director

0.00037599571293068026 0.9801486327575734

We are accepting null hypothesis. There is no significant correlation between Other and Manufacturing Director

Other VS Research Director

0.007934333089876731 0.599524171450047

We are accepting null hypothesis. There is no significant correlation between Other and Research Director

Other VS Research Scientist

-0.0013834440936726067 0.9270529424627019

We are accepting null hypothesis. There is no significant correlation between Other and Research Scientist

Other VS Sales Executive

-0.015050942974281084 0.3192041951967308

We are accepting null hypothesis. There is no significant correlation between Other and Sales Executive

Other VS Sales Representative

0.014276460767050124 0.344744251364143

We are accepting null hypothesis. There is no significant correlation between Other and Sales Representative

Other VS Divorced

-0.009616971655252939 0.5244866419042079

We are accepting null hypothesis. There is no significant correlation between Other and Divorced

Other VS Married

0.050426817477195844 0.0008400195379881718

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Married

Other VS Single

-0.0452772427765263 0.002718599704816491

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Other and Single

Other VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Other and Y

Finding out correlation between Technical Degree and all other features

Technical Degree VS Age

0.048233725676400344 0.0014038401462466335

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Age

Technical Degree VS Attrition

-0.03931785259584586 0.009241866904751199

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Attrition

Technical Degree VS DistanceFromHome

-0.010656026984795881 0.4806780982499518

We are accepting null hypothesis. There is no significant correlation between Technical Degree and DistanceFromHome

Technical Degree VS Education

0.004176204529858025 0.7822614418937496

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Education

Technical Degree VS JobLevel

-0.0007576164849540335 0.960012902176923

We are accepting null hypothesis. There is no significant correlation between Technical Degree and JobLevel

Technical Degree VS MonthlyIncome

-0.005985439916528186 0.6920262863610637

We are accepting null hypothesis. There is no significant correlation between Technical Degree and MonthlyIncome

Technical Degree VS NumCompaniesWorked

0.014480505757658498 0.3378922846347854

We are accepting null hypothesis. There is no significant correlation between Technical Degree and NumCompaniesWorked

Technical Degree VS PercentSalaryHike

-0.041385573350282465 0.006144298472718576

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and PercentSalaryHike

Technical Degree VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Technical Degree and StandardHours

Technical Degree VS StockOptionLevel

-0.02672713359268751 0.07688408560055172

We are accepting null hypothesis. There is no significant correlation between Technical Degree and StockOptionLevel

Technical Degree VS TotalWorkingYears

0.036895290964950624 0.014586720985745889

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and TotalWorkingYears

Technical Degree VS TrainingTimesLastYear

-0.0018110628737454644 0.9046001996289043

We are accepting null hypothesis. There is no significant correlation between Technical Degree and TrainingTimesLastYear

Technical Degree VS YearsAtCompany

0.024513069239036945 0.10470391709728227

We are accepting null hypothesis. There is no significant correlation between Technical Degree and YearsAtCompany

Technical Degree VS YearsSinceLastPromotion

0.029472235270359373 0.05107713237325371

We are accepting null hypothesis. There is no significant correlation between Technical Degree and YearsSinceLastPromotion

Technical Degree VS YearsWithCurrManager

Technical Degree VS YearsWithCurrManager  
0.015128313748127729 0.31672254890814705

We are accepting null hypothesis. There is no significant correlation between Technical Degree and YearsWithCurrManager

Technical Degree VS Non-Travel  
-0.002841661022920855 0.8508333568856602

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Non-Travel

Technical Degree VS Travel\_Frequently  
-0.04050244298725896 0.007330113897515711

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Travel\_Frequently

Technical Degree VS Travel\_Rarely  
0.03677219744811295 0.014919548625117943

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Travel\_Rarely

Technical Degree VS Human Resources  
Constant variable is not suitable for correlation

Technical Degree VS Research & Development  
0.03648118974258609 0.015733118357159355

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Research & Development

Technical Degree VS Sales  
-0.029525823498764602 0.05065631316868341

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Sales

Technical Degree VS Human Resources  
Constant variable is not suitable for correlation

Technical Degree VS Life Sciences  
-0.26244755387594887 6.088354007860882e-70

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Life Sciences

Technical Degree VS Marketing  
-0.10929031680338405 4.036542312807617e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Marketing

Technical Degree VS Medical  
-0.21307774936269694 3.609050889121669e-46

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Medical

Technical Degree VS Other  
-0.07611254707518317 4.5523634928971596e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Other

Technical Degree VS Technical Degree  
1.0 0.0  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Technical Degree

Technical Degree VS Female  
-0.019720834068922048 0.19182197780808136

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Female

Technical Degree VS Male  
0.019720834068922048 0.19182197780808136

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Male

Technical Degree VS Healthcare Representative  
0.025868222413115323 0.08686197045962715

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Healthcare Representative

Technical Degree VS Human Resources

Constant variable is not suitable for correlation

Technical Degree VS Laboratory Technician

-0.006608338506966032 0.6618720274129635

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Laboratory Technician

Technical Degree VS Manager

-0.010319802683574833 0.4946321627374209

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Manager

Technical Degree VS Manufacturing Director

0.017819922180960037 0.23824819898595537

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Manufacturing Director

Technical Degree VS Research Director

-0.0007115454785779768 0.9624426817063393

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Research Director

Technical Degree VS Research Scientist

-0.04607650871688315 0.002281855171804882

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Research Scientist

Technical Degree VS Sales Executive

0.038025154184260515 0.011824765905652745

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Technical Degree and Sales Executive

Technical Degree VS Sales Representative

-0.013916764310016639 0.357037208229155

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Sales Representative

Technical Degree VS Divorced

0.013918767375597028 0.35696799633080345

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Divorced

Technical Degree VS Married

-0.002471383252590706 0.8700846732527462

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Married

Technical Degree VS Single

-0.009742961293196862 0.5190678466873979

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Single

Technical Degree VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Technical Degree and Y

Finding out correlation between Female and all other features

Female VS Age

0.04062458411404911 0.007154725379000259

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Age

Female VS Attrition

-0.01839642519444091 0.22339966086831062

We are accepting null hypothesis. There is no significant correlation between Female and Attrition

Female VS DistanceFromHome

0.042610232535606835 0.004785446219219044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and DistanceFromHome

Female VS Education

0.01767103949510418 0.24219351573861048

We are accepting null hypothesis. There is no significant correlation between Female and

## Education

Female VS JobLevel

0.02601937233264567 0.08503399499952555

We are accepting null hypothesis. There is no significant correlation between Female and JobLevel

Female VS MonthlyIncome

-0.006805297134839103 0.6524474603827284

We are accepting null hypothesis. There is no significant correlation between Female and MonthlyIncome

Female VS NumCompaniesWorked

0.06685971848703584 9.441444190932537e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and NumCompaniesWorked

Female VS PercentSalaryHike

-0.013207153138175255 0.3820864840990256

We are accepting null hypothesis. There is no significant correlation between Female and PercentSalaryHike

Female VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Female and StandardHours

Female VS StockOptionLevel

-0.02204263400642022 0.1445898614316767

We are accepting null hypothesis. There is no significant correlation between Female and StockOptionLevel

Female VS TotalWorkingYears

0.028250928217460215 0.06148975758835103

We are accepting null hypothesis. There is no significant correlation between Female and TotalWorkingYears

Female VS TrainingTimesLastYear

0.0325969773142819 0.030945770267819892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and TrainingTimesLastYear

Female VS YearsAtCompany

0.0186592611128576 0.21685425422558385

We are accepting null hypothesis. There is no significant correlation between Female and YearsAtCompany

Female VS YearsSinceLastPromotion

0.023017743448486748 0.12764235054981904

We are accepting null hypothesis. There is no significant correlation between Female and YearsSinceLastPromotion

Female VS YearsWithCurrManager

-0.002688186631841093 0.8588026302694906

We are accepting null hypothesis. There is no significant correlation between Female and YearsWithCurrManager

Female VS Non-Travel

-0.040775310060046616 0.006943486616230171

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Non-Travel

Female VS Travel\_Frequently

-0.003100121286317271 0.8374473765585261

We are accepting null hypothesis. There is no significant correlation between Female and Travel\_Frequently

Female VS Travel\_Rarely

0.029879479685435816 0.047951327294417714

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Travel\_Rarely

Female VS Human Resources

Constant variable is not suitable for correlation

Female VS Research & Development

0.0106768958101612 0.4798191180867427



We are accepting null hypothesis. There is no significant correlation between Female and Research & Development

Female VS Sales

-0.007060819022656004 0.6403029757925324

We are accepting null hypothesis. There is no significant correlation between Female and Sales

Female VS Human Resources

Constant variable is not suitable for correlation

Female VS Life Sciences

-0.005410527984656197 0.7202988533275381

We are accepting null hypothesis. There is no significant correlation between Female and Life Sciences

Female VS Marketing

-0.0035154744094928097 0.8160354891547394

We are accepting null hypothesis. There is no significant correlation between Female and Marketing

Female VS Medical

0.030036584052221153 0.04678920493012589

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Medical

Female VS Other

-0.0036111802861343145 0.8111205378418992

We are accepting null hypothesis. There is no significant correlation between Female and Other

Female VS Technical Degree

-0.019720834068922048 0.19182197780808136

We are accepting null hypothesis. There is no significant correlation between Female and Technical Degree

Female VS Female

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Female

Female VS Male

-0.9999999999999999 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Male

Female VS Healthcare Representative

0.0034644903065043312 0.8186567346642682

We are accepting null hypothesis. There is no significant correlation between Female and Healthcare Representative

Female VS Human Resources

Constant variable is not suitable for correlation

Female VS Laboratory Technician

-0.013151432842785136 0.38409801069375904

We are accepting null hypothesis. There is no significant correlation between Female and Laboratory Technician

Female VS Manager

0.04351154280186349 0.003965890905537892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Manager

Female VS Manufacturing Director

0.0048369067320993345 0.7488942878439759

We are accepting null hypothesis. There is no significant correlation between Female and Manufacturing Director

Female VS Research Director

0.00211429925452056 0.888723348615435

We are accepting null hypothesis. There is no significant correlation between Female and Research Director

Female VS Research Scientist

-0.0320025220359026 0.03414130874148591

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Research Scientist

Female VS Sales Executive

0.005920597378529304 0.6951945490274831

We are accepting null hypothesis. There is no significant correlation between Female and Sales Executive

Female VS Sales Representative

0.010965608826231269 0.4680217291442369

We are accepting null hypothesis. There is no significant correlation between Female and Sales Representative

Female VS Divorced

-0.027715081759342182 0.0665834780863705

We are accepting null hypothesis. There is no significant correlation between Female and Divorced

Female VS Married

0.03433442938960242 0.023035415151426725

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Female and Married

Female VS Single

-0.011999328335821046 0.42712695493328595

We are accepting null hypothesis. There is no significant correlation between Female and Single

Female VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Female and Y

Finding out correlation between Male and all other features

Male VS Age

-0.040624584114049095 0.007154725379000259

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Age

Male VS Attrition

0.018396425194440957 0.22339966086831062

We are accepting null hypothesis. There is no significant correlation between Male and Attrition

Male VS DistanceFromHome

-0.04261023253560684 0.004785446219219044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and DistanceFromHome

Male VS Education

-0.017671039495104165 0.24219351573861048

We are accepting null hypothesis. There is no significant correlation between Male and Education

Male VS JobLevel

-0.026019372332645663 0.08503399499952555

We are accepting null hypothesis. There is no significant correlation between Male and JobLevel

Male VS MonthlyIncome

0.006805297134839102 0.6524474603827284

We are accepting null hypothesis. There is no significant correlation between Male and MonthlyIncome

Male VS NumCompaniesWorked

-0.06685971848703584 9.441444190932537e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and NumCompaniesWorked

Male VS PercentSalaryHike

0.013207153138175252 0.3820864840990256

We are accepting null hypothesis. There is no significant correlation between Male and PercentSalaryHike

Male VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Male and StandardHours

Male VS StockOptionLevel

0.022042634006420217 0.1445898614316767

We are accepting null hypothesis. There is no significant correlation between Male and

StockOptionLevel

Male VS TotalWorkingYears

-0.028250928217460204 0.06148975758835103

We are accepting null hypothesis. There is no significant correlation between Male and TotalWorkingYears

Male VS TrainingTimesLastYear

-0.032596977314281884 0.030945770267819892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and TrainingTimesLastYear

Male VS YearsAtCompany

-0.018659261112857595 0.2168542542256345

We are accepting null hypothesis. There is no significant correlation between Male and YearsAtCompany

Male VS YearsSinceLastPromotion

-0.023017743448486745 0.12764235054981904

We are accepting null hypothesis. There is no significant correlation between Male and YearsSinceLastPromotion

Male VS YearsWithCurrManager

0.0026881866318410933 0.8588026302694906

We are accepting null hypothesis. There is no significant correlation between Male and YearsWithCurrManager

Male VS Non-Travel

0.040775310060046616 0.006943486616230171

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Non-Travel

Male VS Travel\_Frequently

0.003100121286317278 0.8374473765585261

We are accepting null hypothesis. There is no significant correlation between Male and Travel\_Frequently

Male VS Travel\_Rarely

-0.02987947968543584 0.047951327294417714

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Travel\_Rarely

Male VS Human Resources

Constant variable is not suitable for correlation

Male VS Research & Development

-0.010676895810161159 0.4798191180867427

We are accepting null hypothesis. There is no significant correlation between Male and Research & Development

Male VS Sales

0.007060819022656033 0.6403029757925324

We are accepting null hypothesis. There is no significant correlation between Male and Sales

Male VS Human Resources

Constant variable is not suitable for correlation

Male VS Life Sciences

0.005410527984656157 0.7202988533272221

We are accepting null hypothesis. There is no significant correlation between Male and Life Sciences

Male VS Marketing

0.0035154744094927992 0.8160354891547394

We are accepting null hypothesis. There is no significant correlation between Male and Marketing

Male VS Medical

-0.030036584052221166 0.04678920493012589

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Medical

Male VS Other

0.0036111802861343145 0.8111205378418992

We are accepting null hypothesis. There is no significant correlation between Male and Other

Male VS Technical Degree

0.019720834068922048 0.19182197780808136

We are accepting null hypothesis. There is no significant correlation between Male and Technical Degree

Male VS Female

-0.9999999999999999 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Female

Male VS Male

0.9999999999999997 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Male

Male VS Healthcare Representative

-0.003464490306504312 0.8186567346642682

We are accepting null hypothesis. There is no significant correlation between Male and Healthcare Representative

Male VS Human Resources

Constant variable is not suitable for correlation

Male VS Laboratory Technician

0.013151432842785126 0.38409801069375904

We are accepting null hypothesis. There is no significant correlation between Male and Laboratory Technician

Male VS Manager

-0.04351154280186347 0.003965890905538822

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Manager

Male VS Manufacturing Director

-0.004836906732099338 0.7488942878439759

We are accepting null hypothesis. There is no significant correlation between Male and Manufacturing Director

Male VS Research Director

-0.002114299254520565 0.888723348615435

We are accepting null hypothesis. There is no significant correlation between Male and Research Director

Male VS Research Scientist

0.032002522035902564 0.03414130874148591

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Research Scientist

Male VS Sales Executive

-0.0059205973785293065 0.6951945490274831

We are accepting null hypothesis. There is no significant correlation between Male and Sales Executive

Male VS Sales Representative

-0.010965608826231266 0.4680217291442369

We are accepting null hypothesis. There is no significant correlation between Male and Sales Representative

Male VS Divorced

0.02771508175934219 0.0665834780863705

We are accepting null hypothesis. There is no significant correlation between Male and Divorced

Male VS Married

-0.03433442938960241 0.023035415151426725

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Male and Married

Male VS Single

0.01199932833582109 0.42712695493328595

We are accepting null hypothesis. There is no significant correlation between Male and Single

Male VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Male and Y

Finding out correlation between Healthcare Representative and all other features

Healthcare Representative VS Age

-0.05226161387727354 0.0005383262084813

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Age

Healthcare Representative VS Attrition

-0.01437888288933353 0.3412938450238649

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Attrition

Healthcare Representative VS DistanceFromHome

-0.01637612254058051 0.2784498105578406

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and DistanceFromHome

Healthcare Representative VS Education

-0.011677136635406751 0.43964462833119855

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Education

Healthcare Representative VS JobLevel

0.008084572761145792 0.5926305581188921

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and JobLevel

Healthcare Representative VS MonthlyIncome

-0.026785572239628297 0.07624062505126943

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and MonthlyIncome

Healthcare Representative VS NumCompaniesWorked

0.010701268103512983 0.47881699233236863

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and NumCompaniesWorked

Healthcare Representative VS PercentSalaryHike

0.019730351833700168 0.19160758495055222

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and PercentSalaryHike

Healthcare Representative VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and StandardHours

Healthcare Representative VS StockOptionLevel

0.010256784152296618 0.49727145566261066

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and StockOptionLevel

Healthcare Representative VS TotalWorkingYears

-0.03843617854689137 0.010941500755792703

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and TotalWorkingYears

Healthcare Representative VS TrainingTimesLastYear

-0.023976350170504535 0.1125284989807622

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and TrainingTimesLastYear

Healthcare Representative VS YearsAtCompany

-0.024100472866973838 0.11067920422315257

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and YearsAtCompany

Healthcare Representative VS YearsSinceLastPromotion

-0.013578121137847995 0.3688596391967395

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and YearsSinceLastPromotion

Healthcare Representative VS YearsWithCurrManager

-0.014857276934745233 0.3254716016454671

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and YearsWithCurrManager

Healthcare Representative VS Non-Travel

-0.009984570835615672 0.5087577005458656

We are accepting null hypothesis. There is no significant correlation between Healthcare

Representative and Non-Travel

Healthcare Representative VS Travel\_Frequently

-0.004591616839963815 0.7612310015856525

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Travel\_Frequently

Healthcare Representative VS Travel\_Rarely

0.010616622253950714 0.48230231448709415

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Travel\_Rarely

Healthcare Representative VS Human Resources

Constant variable is not suitable for correlation

Healthcare Representative VS Research & Development

0.00787186176590891 0.6024012589588218

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Research & Development

Healthcare Representative VS Sales

0.0068634669655143095 0.6496744964904679

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Sales

Healthcare Representative VS Human Resources

Constant variable is not suitable for correlation

Healthcare Representative VS Life Sciences

0.020665382163384056 0.17139491825781114

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Life Sciences

Healthcare Representative VS Marketing

-0.031401937679508087 0.03765197382020411

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Marketing

Healthcare Representative VS Medical

-0.010267506245534928 0.4968218725771811

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Medical

Healthcare Representative VS Other

0.004687307972843893 0.7564108540497831

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Other

Healthcare Representative VS Technical Degree

0.025868222413115323 0.08686197045962715

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Technical Degree

Healthcare Representative VS Female

0.0034644903065043312 0.8186567346642682

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Female

Healthcare Representative VS Male

-0.003464490306504312 0.8186567346642682

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Male

Healthcare Representative VS Healthcare Representative

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Healthcare Representative

Healthcare Representative VS Human Resources

Constant variable is not suitable for correlation

Healthcare Representative VS Laboratory Technician

-0.14445129894643854 7.261390773337243e-22

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Laboratory Technician

Healthcare Representative VS Manager

-0.08536988757901989 1.5143899192978577e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Manager

Healthcare Representative VS Manufacturing Director

-0.10282302690578263 8.935107895552841e-12

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Manufacturing Director

Healthcare Representative VS Research Director

-0.07463405721345637 7.574772584291778e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Research Director

Healthcare Representative VS Research Scientist

-0.15557142500987534 3.829277287662111e-25

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Research Scientist

Healthcare Representative VS Sales Executive

-0.16697113011811676 9.168711731949287e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Sales Executive

Healthcare Representative VS Sales Representative

-0.0761206405299519 4.5395745607353247e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Sales Representative

Healthcare Representative VS Divorced

0.024913879773275808 0.09914733447344148

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Divorced

Healthcare Representative VS Married

0.020668437256243396 0.1713315986133719

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Married

Healthcare Representative VS Single

-0.04422582204552033 0.0034093078558425824

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Healthcare Representative and Single

Healthcare Representative VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Healthcare Representative and Y

Finding out correlation between Human Resources and all other features

Human Resources VS Age

Constant variable is not suitable for correlation

Human Resources VS Attrition

Constant variable is not suitable for correlation

Human Resources VS DistanceFromHome

Constant variable is not suitable for correlation

Human Resources VS Education

Constant variable is not suitable for correlation

Human Resources VS JobLevel

Constant variable is not suitable for correlation

Human Resources VS MonthlyIncome

Constant variable is not suitable for correlation

Human Resources VS NumCompaniesWorked

Constant variable is not suitable for correlation

Human Resources VS PercentSalaryHike

Constant variable is not suitable for correlation

Human Resources VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Human Resources and StandardHours

Human Resources VS StockOptionLevel  
Constant variable is not suitable for correlation

Human Resources VS TotalWorkingYears  
Constant variable is not suitable for correlation

Human Resources VS TrainingTimesLastYear  
Constant variable is not suitable for correlation

Human Resources VS YearsAtCompany  
Constant variable is not suitable for correlation

Human Resources VS YearsSinceLastPromotion  
Constant variable is not suitable for correlation

Human Resources VS YearsWithCurrManager  
Constant variable is not suitable for correlation

Human Resources VS Non-Travel  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Frequently  
Constant variable is not suitable for correlation

Human Resources VS Travel\_Rarely  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Research & Development  
Constant variable is not suitable for correlation

Human Resources VS Sales  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Life Sciences  
Constant variable is not suitable for correlation

Human Resources VS Marketing  
Constant variable is not suitable for correlation

Human Resources VS Medical  
Constant variable is not suitable for correlation

Human Resources VS Other  
Constant variable is not suitable for correlation

Human Resources VS Technical Degree  
Constant variable is not suitable for correlation

Human Resources VS Female  
Constant variable is not suitable for correlation

Human Resources VS Male  
Constant variable is not suitable for correlation

Human Resources VS Healthcare Representative  
Constant variable is not suitable for correlation

Human Resources VS Human Resources  
Constant variable is not suitable for correlation

Human Resources VS Laboratory Technician  
Constant variable is not suitable for correlation

Human Resources VS Manager  
Constant variable is not suitable for correlation

Human Resources VS Manufacturing Director  
Constant variable is not suitable for correlation



Human Resources VS Research Director  
Constant variable is not suitable for correlation

Human Resources VS Research Scientist  
Constant variable is not suitable for correlation

Human Resources VS Sales Executive  
Constant variable is not suitable for correlation

Human Resources VS Sales Representative  
Constant variable is not suitable for correlation

Human Resources VS Divorced  
Constant variable is not suitable for correlation

Human Resources VS Married  
Constant variable is not suitable for correlation

Human Resources VS Single  
Constant variable is not suitable for correlation

Human Resources VS Y  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Human Resources and Y

Finding out correlation between Laboratory Technician and all other features

Laboratory Technician VS Age  
0.0329302001125308 0.02926939390385055  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Age

Laboratory Technician VS Attrition  
0.001035620498637758 0.9453596836913262  
We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Attrition

Laboratory Technician VS DistanceFromHome  
0.05246362004288235 0.000512151459473072  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and DistanceFromHome

Laboratory Technician VS Education  
-0.07728400233401025 3.020770750158752e-07  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Education

Laboratory Technician VS JobLevel  
-0.030527495823508933 0.043309466043852  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and JobLevel

Laboratory Technician VS MonthlyIncome  
0.01247382761107148 0.40907503030765935  
We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and MonthlyIncome

Laboratory Technician VS NumCompaniesWorked  
0.008410856652958959 0.5777858842135225  
We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and NumCompaniesWorked

Laboratory Technician VS PercentSalaryHike  
0.040242107719852885 0.00771686945409178  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and PercentSalaryHike

Laboratory Technician VS StandardHours  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and StandardHours

Laboratory Technician VS StockOptionLevel  
-0.007191041284335106 0.6341503386700132  
We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and StockOptionLevel

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and StockOptionLevel

Laboratory Technician VS TotalWorkingYears  
0.035886100562705095 0.0175191145876044

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and TotalWorkingYears

Laboratory Technician VS TrainingTimesLastYear  
-0.020924868036599306 0.16607902157582768

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and TrainingTimesLastYear

Laboratory Technician VS YearsAtCompany  
0.006924827432913068 0.6467546837394916

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and YearsAtCompany

Laboratory Technician VS YearsSinceLastPromotion  
-0.0037465816498736156 0.8041797722071798

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and YearsSinceLastPromotion

Laboratory Technician VS YearsWithCurrManager  
0.012320348555860415 0.4148637582115559

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and YearsWithCurrManager

Laboratory Technician VS Non-Travel  
-0.01981891972528577 0.1896209881645074

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Non-Travel

Laboratory Technician VS Travel\_Frequently  
-0.029914803443197507 0.04768794112112555

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Travel\_Frequently

Laboratory Technician VS Travel\_Rarely  
0.03898457367723282 0.009854482502356467

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Travel\_Rarely

Laboratory Technician VS Human Resources  
Constant variable is not suitable for correlation

Laboratory Technician VS Research & Development  
-0.018116489519523417 0.2305249709868388

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Research & Development

Laboratory Technician VS Sales  
0.012218860570231915 0.41871799963708234

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Sales

Laboratory Technician VS Human Resources  
Constant variable is not suitable for correlation

Laboratory Technician VS Life Sciences  
-0.012874621829875893 0.3941867056410375

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Life Sciences

Laboratory Technician VS Marketing  
0.029288885121303794 0.05253914548396826

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Marketing

Laboratory Technician VS Medical  
-0.0016982485337765554 0.9105170242324098

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Medical

Laboratory Technician VS Other  
-0.018387495413372604 0.22362449430584372

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Other

TECHNICIAN and CORREL

Laboratory Technician VS Technical Degree

-0.006608338506966032 0.6618720274129635

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Technical Degree

Laboratory Technician VS Female

-0.013151432842785136 0.38409801069375904

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Female

Laboratory Technician VS Male

0.013151432842785126 0.38409801069375904

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Male

Laboratory Technician VS Healthcare Representative

-0.14445129894643854 7.261390773337243e-22

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Healthcare Representative

Laboratory Technician VS Human Resources

Constant variable is not suitable for correlation

Laboratory Technician VS Laboratory Technician

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Laboratory Technician

Laboratory Technician VS Manager

-0.1265831415648881 4.0706904462134903e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Manager

Laboratory Technician VS Manufacturing Director

-0.1524619762313435 3.348439321534394e-24

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Manufacturing Director

Laboratory Technician VS Research Director

-0.11066447078389566 2.0406950290565413e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Research Director

Laboratory Technician VS Research Scientist

-0.23067524479575433 5.138995540136401e-54

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Research Scientist

Laboratory Technician VS Sales Executive

-0.2475782831672037 3.3477398779106706e-62

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Sales Executive

Laboratory Technician VS Sales Representative

-0.11286871857824587 6.713379913403043e-14

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Laboratory Technician and Sales Representative

Laboratory Technician VS Divorced

0.012818402241936972 0.3962551082018093

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Divorced

Laboratory Technician VS Married

-0.008461844092532495 0.5754820467007937

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Married

Laboratory Technician VS Single

-0.002369183901459765 0.8754122637033914

We are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Single

Laboratory Technician VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Laboratory

we are accepting null hypothesis. There is no significant correlation between Laboratory Technician and Y

Finding out correlation between Manager and all other features

Manager VS Age

0.009454694124396413 0.5315086131722033

We are accepting null hypothesis. There is no significant correlation between Manager and Age

Manager VS Attrition

-0.01725574772714283 0.2534405982168045

We are accepting null hypothesis. There is no significant correlation between Manager and Attrition

Manager VS DistanceFromHome

-0.03858328736637362 0.0106399156005158

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and DistanceFromHome

Manager VS Education

0.04439807468180069 0.003286192299510542

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Education

Manager VS JobLevel

0.025550171010299966 0.09081198933015895

We are accepting null hypothesis. There is no significant correlation between Manager and JobLevel

Manager VS MonthlyIncome

-0.009595296591319859 0.5254217952668345

We are accepting null hypothesis. There is no significant correlation between Manager and MonthlyIncome

Manager VS NumCompaniesWorked

-0.00554878365187763 0.7134630730651274

We are accepting null hypothesis. There is no significant correlation between Manager and NumCompaniesWorked

Manager VS PercentSalaryHike

-0.0027529159206891307 0.8554397103642207

We are accepting null hypothesis. There is no significant correlation between Manager and PercentSalaryHike

Manager VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Manager and StandardHours

Manager VS StockOptionLevel

-0.08139333872028207 6.837685226641061e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and StockOptionLevel

Manager VS TotalWorkingYears

0.02240125350323492 0.13816702426304564

We are accepting null hypothesis. There is no significant correlation between Manager and TotalWorkingYears

Manager VS TrainingTimesLastYear

0.0031502243877981947 0.8348577819446592

We are accepting null hypothesis. There is no significant correlation between Manager and TrainingTimesLastYear

Manager VS YearsAtCompany

0.020602130359446223 0.1727098085274417

We are accepting null hypothesis. There is no significant correlation between Manager and YearsAtCompany

Manager VS YearsSinceLastPromotion

0.014331457507204041 0.3428887595016943

We are accepting null hypothesis. There is no significant correlation between Manager and YearsSinceLastPromotion

Manager VS YearsWithCurrManager

-0.04183020140529038 0.005615232526395854

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and YearsWithCurrManager

elation between Manager and HealthCareManager

Manager VS Non-Travel

-0.012379161306381663 0.4126398351183912

We are accepting null hypothesis. There is no significant correlation between Manager and Non-Travel

Manager VS Travel\_Frequently

-0.00785082341723733 0.6033715678676321

We are accepting null hypothesis. There is no significant correlation between Manager and Travel\_Frequently

Manager VS Travel\_Rarely

0.015021014137576469 0.32016755746389874

We are accepting null hypothesis. There is no significant correlation between Manager and Travel\_Rarely

Manager VS Human Resources

Constant variable is not suitable for correlation

Manager VS Research & Development

0.012417274254144718 0.4112024256586769

We are accepting null hypothesis. There is no significant correlation between Manager and Research & Development

Manager VS Sales

-0.005016323723834109 0.7399109216853529

We are accepting null hypothesis. There is no significant correlation between Manager and Sales

Manager VS Human Resources

Constant variable is not suitable for correlation

Manager VS Life Sciences

0.020582030350797503 0.17312922613419993

We are accepting null hypothesis. There is no significant correlation between Manager and Life Sciences

Manager VS Marketing

-0.026138357285365975 0.08361699874470606

We are accepting null hypothesis. There is no significant correlation between Manager and Marketing

Manager VS Medical

-0.01234431259330828 0.41395673739162414

We are accepting null hypothesis. There is no significant correlation between Manager and Medical

Manager VS Other

0.01570911015009406 0.29849865476107973

We are accepting null hypothesis. There is no significant correlation between Manager and Other

Manager VS Technical Degree

-0.010319802683574833 0.4946321627374209

We are accepting null hypothesis. There is no significant correlation between Manager and Technical Degree

Manager VS Female

0.04351154280186349 0.003965890905537892

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Female

Manager VS Male

-0.04351154280186347 0.003965890905538822

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Male

Manager VS Healthcare Representative

-0.08536988757901989 1.5143899192978577e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Healthcare Representative

Manager VS Human Resources

Constant variable is not suitable for correlation

Manager VS Laboratory Technician

-0.1265831415648881 4.0706904462134903e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Laboratory Technician

elation between Manager and Laboratory Technician

Manager VS Manager

0.999999999999987 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Manager

Manager VS Manufacturing Director

-0.09010415182054618 2.3001919572871844e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Manufacturing Director

Manager VS Research Director

-0.06540206629305513 1.472225191361885e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Research Director

Manager VS Research Scientist

-0.1363277440847268 1.255040494075092e-19

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Research Scientist

Manager VS Sales Executive

-0.14631734262789775 2.129899302336453e-22

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Sales Executive

Manager VS Sales Representative

-0.0667047640726697 9.902277390828897e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Sales Representative

Manager VS Divorced

0.022648375376879325 0.133870592962167

We are accepting null hypothesis. There is no significant correlation between Manager and Divorced

Manager VS Married

-0.0534443251377366 0.0004011031665495981

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Married

Manager VS Single

0.036906623341704865 0.014556411298874281

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manager and Single

Manager VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Manager and Y

Finding out correlation between Manufacturing Director and all other features

Manufacturing Director VS Age

-0.00020281865132726427 0.9892910427797028

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Age

Manufacturing Director VS Attrition

-0.043930752314903204 0.0036299958601926385

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Attrition

Manufacturing Director VS DistanceFromHome

-0.0008877436031855465 0.9531520922709676

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and DistanceFromHome

Manufacturing Director VS Education

-0.013794724176436207 0.3612699909866985

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Education

Manufacturing Director VS JobLevel

-0.0037577372184767715 0.8036086096504491

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and JobLevel

Manufacturing Director VS MonthlyIncome  
0.029240310656608412 0.05293228060756499  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and MonthlyIncome

Manufacturing Director VS NumCompaniesWorked  
0.0023300466243094562 0.8774539755256296  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and NumCompaniesWorked

Manufacturing Director VS PercentSalaryHike  
-0.01768754278877069 0.24175393622753122  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and PercentSalaryHike

Manufacturing Director VS StandardHours  
nan nan  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and StandardHours

Manufacturing Director VS StockOptionLevel  
0.03163383186594608 0.03626166037455088  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and StockOptionLevel

Manufacturing Director VS TotalWorkingYears  
-0.004195160263990508 0.7812981962015839  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and TotalWorkingYears

Manufacturing Director VS TrainingTimesLastYear  
-0.014566450766203401 0.335032551641204  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and TrainingTimesLastYear

Manufacturing Director VS YearsAtCompany  
0.004823531975230595 0.7495653424145354  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and YearsAtCompany

Manufacturing Director VS YearsSinceLastPromotion  
0.02613887001947164 0.08361093419451529  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and YearsSinceLastPromotion

Manufacturing Director VS YearsWithCurrManager  
-0.02111399772643503 0.16228325190500512  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and YearsWithCurrManager

Manufacturing Director VS Non-Travel  
-0.012317115436733568 0.414986219188275  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Non-Travel

Manufacturing Director VS Travel\_Frequently  
0.037777898990106376 0.012386044905534003  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Travel\_Frequently

Manufacturing Director VS Travel\_Rarely  
-0.02431044652578462 0.10760553313842554  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Travel\_Rarely

Manufacturing Director VS Human Resources  
Constant variable is not suitable for correlation

Manufacturing Director VS Research & Development  
0.0024454315546971863 0.8714369712475143  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Research & Development

Manufacturing Director VS Sales  
-0.012038073554419191 0.4256357514946066  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Sales

Director and Sales

Manufacturing Director VS Human Resources  
Constant variable is not suitable for correlation

Manufacturing Director VS Life Sciences  
0.022140260900588852 0.14281913415384173  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Life Sciences

Manufacturing Director VS Marketing  
-0.03088282045121319 0.04092940815642832  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Marketing

Manufacturing Director VS Medical  
-0.020797614029339266 0.16867028311882057  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Medical

Manufacturing Director VS Other  
0.00037599571293068026 0.9801486327575734  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Other

Manufacturing Director VS Technical Degree  
0.017819922180960037 0.23824819898595537  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Technical Degree

Manufacturing Director VS Female  
0.0048369067320993345 0.7488942878439759  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Female

Manufacturing Director VS Male  
-0.004836906732099338 0.7488942878439759  
We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Male

Manufacturing Director VS Healthcare Representative  
-0.10282302690578263 8.935107895552841e-12  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Healthcare Representative

Manufacturing Director VS Human Resources  
Constant variable is not suitable for correlation

Manufacturing Director VS Laboratory Technician  
-0.1524619762313435 3.348439321534394e-24  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Laboratory Technician

Manufacturing Director VS Manager  
-0.09010415182054618 2.3001919572871844e-09  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Manager

Manufacturing Director VS Manufacturing Director  
1.0 0.0  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Manufacturing Director

Manufacturing Director VS Research Director  
-0.0787729562829746 1.778302047008686e-07  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Research Director

Manufacturing Director VS Research Scientist  
-0.16419877893189855 7.367335040000309e-28  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Research Scientist

Manufacturing Director VS Sales Executive  
-0.17623066498576806 6.682483123283204e-32  
We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Sales Executive



Manufacturing Director VS Sales Representative

-0.08034197942031249 1.0069517508321391e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Manufacturing Director and Sales Representative

Manufacturing Director VS Divorced

0.018564052731954273 0.21920911072530108

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Divorced

Manufacturing Director VS Married

0.008498012368552969 0.5738504393244759

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Married

Manufacturing Director VS Single

-0.02558520317118766 0.09036995444998609

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Single

Manufacturing Director VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Manufacturing Director and Y

Finding out correlation between Research Director and all other features

Research Director VS Age

-0.014489529237461857 0.3375913031378573

We are accepting null hypothesis. There is no significant correlation between Research Director and Age

Research Director VS Attrition

0.04357883417765999 0.00391013931800516

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Attrition

Research Director VS DistanceFromHome

-0.0016385574120487186 0.91364970058871

We are accepting null hypothesis. There is no significant correlation between Research Director and DistanceFromHome

Research Director VS Education

0.047037781412918436 0.0018420674098608978

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Education

Research Director VS JobLevel

0.031797528385018564 0.03530677107291241

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and JobLevel

Research Director VS MonthlyIncome

0.003005954056389949 0.8423191846265604

We are accepting null hypothesis. There is no significant correlation between Research Director and MonthlyIncome

Research Director VS NumCompaniesWorked

0.013205841211210594 0.3821337708605893

We are accepting null hypothesis. There is no significant correlation between Research Director and NumCompaniesWorked

Research Director VS PercentSalaryHike

-0.007691239930233636 0.6107544693974215

We are accepting null hypothesis. There is no significant correlation between Research Director and PercentSalaryHike

Research Director VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Research Director and StandardHours

Research Director VS StockOptionLevel

-0.029977566961339602 0.04722295357197516

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and StockOptionLevel

Research Director VS TotalWorkingYears

-0.006453700903212407 0.6693093209303463

We are accepting null hypothesis. There is no significant correlation between Research Director and TotalWorkingYears

Research Director VS TrainingTimesLastYear

0.03272018379947589 0.030316582632761768

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and TrainingTimesLastYear

Research Director VS YearsAtCompany

-0.003866721948025795 0.7980341752166694

We are accepting null hypothesis. There is no significant correlation between Research Director and YearsAtCompany

Research Director VS YearsSinceLastPromotion

-0.007957064814448665 0.5984788183176148

We are accepting null hypothesis. There is no significant correlation between Research Director and YearsSinceLastPromotion

Research Director VS YearsWithCurrManager

-0.02371880573542766 0.11644326243707384

We are accepting null hypothesis. There is no significant correlation between Research Director and YearsWithCurrManager

Research Director VS Non-Travel

-0.0007660690325950719 0.9595671554364557

We are accepting null hypothesis. There is no significant correlation between Research Director and Non-Travel

Research Director VS Travel\_Frequently

0.019046765681921946 0.20745760458339832

We are accepting null hypothesis. There is no significant correlation between Research Director and Travel\_Frequently

Research Director VS Travel\_Rarely

-0.015889610564694637 0.29298048636617513

We are accepting null hypothesis. There is no significant correlation between Research Director and Travel\_Rarely

Research Director VS Human Resources

Constant variable is not suitable for correlation

Research Director VS Research & Development

-0.004142203987295531 0.7839900331682818

We are accepting null hypothesis. There is no significant correlation between Research Director and Research & Development

Research Director VS Sales

0.01989692217418945 0.18788397800982368

We are accepting null hypothesis. There is no significant correlation between Research Director and Sales

Research Director VS Human Resources

Constant variable is not suitable for correlation

Research Director VS Life Sciences

0.010910252204217541 0.470271189529355

We are accepting null hypothesis. There is no significant correlation between Research Director and Life Sciences

Research Director VS Marketing

0.03345895995493556 0.026769664385564135

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Marketing

Research Director VS Medical

-0.03452007206290478 0.0223044365313022

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Medical

Research Director VS Other

0.007934333089876731 0.599524171450047

We are accepting null hypothesis. There is no significant correlation between Research Director and Other

Research Director VS Technical Degree

-0.0007115454785779768 0.9624426817063393

We are accepting null hypothesis. There is no significant correlation between Research Director and Technical Degree

Research Director VS Female

0.00211429925452056 0.888723348615435

We are accepting null hypothesis. There is no significant correlation between Research Director and Female

Research Director VS Male

-0.002114299254520565 0.888723348615435

We are accepting null hypothesis. There is no significant correlation between Research Director and Male

Research Director VS Healthcare Representative

-0.07463405721345637 7.574772584291778e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Healthcare Representative

Research Director VS Human Resources

Constant variable is not suitable for correlation

Research Director VS Laboratory Technician

-0.11066447078389566 2.0406950290565413e-13

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Laboratory Technician

Research Director VS Manager

-0.06540206629305513 1.472225191361885e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Manager

Research Director VS Manufacturing Director

-0.0787729562829746 1.778302047008686e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Manufacturing Director

Research Director VS Research Director

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Research Director

Research Director VS Research Scientist

-0.11918362481598738 2.461892792582506e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Research Scientist

Research Director VS Sales Executive

-0.1279169649942835 1.8926117350874166e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Sales Executive

Research Director VS Sales Representative

-0.05831619695646902 0.00011222138907288603

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Sales Representative

Research Director VS Divorced

-0.025425800277598255 0.09239535377694286

We are accepting null hypothesis. There is no significant correlation between Research Director and Divorced

Research Director VS Married

-0.025410785620870117 0.0925879957182882

We are accepting null hypothesis. There is no significant correlation between Research Director and Married

Research Director VS Single

0.04974376679649611 0.0009878240747614613

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Director and Single

Research Director VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Research Director and Y

Finding out correlation between Research Scientist and all other features

Research Scientist VS Age

0.006263034320537998 0.6785241918124256

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Age

Research Scientist VS Attrition

0.027547751725029622 0.06824353033568561

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Attrition

Research Scientist VS DistanceFromHome

-0.0040571006003458 0.7883213548974061

We are accepting null hypothesis. There is no significant correlation between Research Scientist and DistanceFromHome

Research Scientist VS Education

0.00190478623569355 0.8996886572965729

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Education

Research Scientist VS JobLevel

0.014099388142198367 0.3507617619090203

We are accepting null hypothesis. There is no significant correlation between Research Scientist and JobLevel

Research Scientist VS MonthlyIncome

-0.0014130065703157912 0.9254986437785067

We are accepting null hypothesis. There is no significant correlation between Research Scientist and MonthlyIncome

Research Scientist VS NumCompaniesWorked

-0.01957907174575945 0.19503615493686854

We are accepting null hypothesis. There is no significant correlation between Research Scientist and NumCompaniesWorked

Research Scientist VS PercentSalaryHike

-0.009468845057505686 0.530894392088909

We are accepting null hypothesis. There is no significant correlation between Research Scientist and PercentSalaryHike

Research Scientist VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Research Scientist and StandardHours

Research Scientist VS StockOptionLevel

0.02420796931761661 0.10909708327194279

We are accepting null hypothesis. There is no significant correlation between Research Scientist and StockOptionLevel

Research Scientist VS TotalWorkingYears

-0.01799794098695526 0.23359060215703767

We are accepting null hypothesis. There is no significant correlation between Research Scientist and TotalWorkingYears

Research Scientist VS TrainingTimesLastYear

-0.0346203615457293 0.021917993660798097

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and TrainingTimesLastYear

Research Scientist VS YearsAtCompany

-0.0016931331431776653 0.9107854335556654

We are accepting null hypothesis. There is no significant correlation between Research Scientist and YearsAtCompany

Research Scientist VS YearsSinceLastPromotion

-0.003041156384672284 0.8404972505438069

We are accepting null hypothesis. There is no significant correlation between Research Scientist and YearsSinceLastPromotion

Research Scientist VS YearsWithCurrManager

0.03986855730152335 0.008303762932710295

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and YearsWithCurrManager

Research Scientist VS Non-Travel

0.011036932703363846 0.4651322311700326

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Non-Travel

Research Scientist VS Travel\_Frequently

0.021681315650240937 0.1512898779699716

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Travel\_Frequently

Research Scientist VS Travel\_Rarely

-0.02603450667959568 0.08485268905150621

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Travel\_Rarely

Research Scientist VS Human Resources

Constant variable is not suitable for correlation

Research Scientist VS Research & Development

-0.010961100492070634 0.468204705749161

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Research & Development

Research Scientist VS Sales

0.012849091886566803 0.3951251795911093

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Sales

Research Scientist VS Human Resources

Constant variable is not suitable for correlation

Research Scientist VS Life Sciences

-0.0027714371515940583 0.8544779455922616

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Life Sciences

Research Scientist VS Marketing

0.01374727454956421 0.3629241696837153

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Marketing

Research Scientist VS Medical

0.02752705658939015 0.06845118681142233

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Medical

Research Scientist VS Other

-0.0013834440936726067 0.9270529424627019

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Other

Research Scientist VS Technical Degree

-0.04607650871688315 0.002281855171804882

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Technical Degree

Research Scientist VS Female

-0.0320025220359026 0.03414130874148591

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Female

Research Scientist VS Male

0.032002522035902564 0.03414130874148591

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Male

Research Scientist VS Healthcare Representative

-0.15557142500987534 3.829277287662111e-25

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Healthcare Representative

Research Scientist VS Human Resources

Constant variable is not suitable for correlation

Research Scientist VS Laboratory Technician

-0.23067524479575433 5.138995540136401e-54

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Laboratory Technician

Research Scientist VS Manager

-0.1363277440847268 1.255040494075092e-19

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Manager

Research Scientist VS Manufacturing Director

-0.16419877893189855 7.367335040000309e-28

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Manufacturing Director

Research Scientist VS Research Director

-0.11918362481598738 2.461892792582506e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Research Director

Research Scientist VS Research Scientist

0.9999999999999991 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Research Scientist

Research Scientist VS Sales Executive

-0.26663731371568894 3.240799104663861e-72

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Sales Executive

Research Scientist VS Sales Representative

-0.1215575596503779 6.78269582507746e-16

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Sales Representative

Research Scientist VS Divorced

-0.011050201291367842 0.46459578540961566

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Divorced

Research Scientist VS Married

-0.019944523935292953 0.1868297342630577

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Married

Research Scientist VS Single

0.03112080635395765 0.03939804830971595

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Research Scientist and Single

Research Scientist VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Research Scientist and Y

Finding out correlation between Sales Executive and all other features

Sales Executive VS Age

0.008285721836701778 0.5834583429127815

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Age

Sales Executive VS Attrition

0.012150403280645098 0.421329679038615

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Attrition

Sales Executive VS DistanceFromHome

-0.011916574715607565 0.43032209969015284

We are accepting null hypothesis. There is no significant correlation between Sales Executive and DistanceFromHome

Sales Executive VS Education

-0.004583570621235449 0.761636730648362

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Education

Sales Executive VS JobLevel

-0.020488701144268852 0.17508665931829837

We are accepting null hypothesis. There is no significant correlation between Sales Executive and JobLevel

Sales Executive VS MonthlyIncome  
0.0016817385622316032 0.911383354400945

We are accepting null hypothesis. There is no significant correlation between Sales Executive and MonthlyIncome

Sales Executive VS NumCompaniesWorked  
-0.020421464950802215 0.17650703101414464

We are accepting null hypothesis. There is no significant correlation between Sales Executive and NumCompaniesWorked

Sales Executive VS PercentSalaryHike  
-0.041850532901298684 0.005592053033359421

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and PercentSalaryHike

Sales Executive VS StandardHours  
nan nan

We are accepting null hypothesis. There is no significant correlation between Sales Executive and StandardHours

Sales Executive VS StockOptionLevel  
0.04136177192070313 0.006173846027298525

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and StockOptionLevel

Sales Executive VS TotalWorkingYears  
0.01578588777784041 0.2961430252801273

We are accepting null hypothesis. There is no significant correlation between Sales Executive and TotalWorkingYears

Sales Executive VS TrainingTimesLastYear  
0.06072526018229416 5.76140284910491e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and TrainingTimesLastYear

Sales Executive VS YearsAtCompany  
0.010901067086079795 0.47064501066014003

We are accepting null hypothesis. There is no significant correlation between Sales Executive and YearsAtCompany

Sales Executive VS YearsSinceLastPromotion  
0.00018700203656006349 0.9901261259458866

We are accepting null hypothesis. There is no significant correlation between Sales Executive and YearsSinceLastPromotion

Sales Executive VS YearsWithCurrManager  
0.026740788066867915 0.07673334310616495

We are accepting null hypothesis. There is no significant correlation between Sales Executive and YearsWithCurrManager

Sales Executive VS Non-Travel  
0.024122114321803965 0.11035923993978104

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Non-Travel

Sales Executive VS Travel\_Frequently  
-0.00921184667027965 0.5421052128462518

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Travel\_Frequently

Sales Executive VS Travel\_Rarely  
-0.0081649236485283 0.588958704620809

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Travel\_Rarely

Sales Executive VS Human Resources  
Constant variable is not suitable for correlation

Sales Executive VS Research & Development  
-0.010916534696316604 0.47001559555367467

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Research & Development

Sales Executive VS Sales

-0.0034923442728378266 0.8172244256826091

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Sales

Sales Executive VS Human Resources

Constant variable is not suitable for correlation

Sales Executive VS Life Sciences

-0.025456131311329094 0.09200718035060812

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Life Sciences

Sales Executive VS Marketing

0.004080331332894453 0.7871383753550947

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Marketing

Sales Executive VS Medical

0.011607286754198833 0.442385913234

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Medical

Sales Executive VS Other

-0.015050942974281084 0.3192041951967308

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Other

Sales Executive VS Technical Degree

0.038025154184260515 0.011824765905652745

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Technical Degree

Sales Executive VS Female

0.005920597378529304 0.6951945490274831

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Female

Sales Executive VS Male

-0.0059205973785293065 0.6951945490274831

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Male

Sales Executive VS Healthcare Representative

-0.16697113011811676 9.168711731949287e-29

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Healthcare Representative

Sales Executive VS Human Resources

Constant variable is not suitable for correlation

Sales Executive VS Laboratory Technician

-0.2475782831672037 3.3477398779106706e-62

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Laboratory Technician

Sales Executive VS Manager

-0.14631734262789775 2.129899302336453e-22

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Manager

Sales Executive VS Manufacturing Director

-0.17623066498576806 6.682483123283204e-32

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Manufacturing Director

Sales Executive VS Research Director

-0.1279169649942835 1.8926117350874166e-17

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Research Director

Sales Executive VS Research Scientist

-0.26663731371568894 3.240799104663861e-72

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Research Scientist

Sales Executive VS Sales Executive

1.0 0.0



We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Sales Executive

Sales Executive VS Sales Representative

-0.13046485309198408 4.284974128995513e-18

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Sales Representative

Sales Executive VS Divorced

-0.016950732569371272 0.2619293568144184

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Divorced

Sales Executive VS Married

0.04783771431899487 0.0015369875044260685

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Married

Sales Executive VS Single

-0.03598967793909998 0.017196037460122014

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Executive and Single

Sales Executive VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Sales Executive and Y

Finding out correlation between Sales Representative and all other features

Sales Representative VS Age

-0.01254472502774193 0.4064173169536512

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Age

Sales Representative VS Attrition

-0.009653648198966396 0.5229062053259331

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Attrition

Sales Representative VS DistanceFromHome

0.005999707338065011 0.6913298880326643

We are accepting null hypothesis. There is no significant correlation between Sales Representative and DistanceFromHome

Sales Representative VS Education

0.03343662990184344 0.026871378064223916

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Education

Sales Representative VS JobLevel

-0.02484658912164609 0.1000634190282872

We are accepting null hypothesis. There is no significant correlation between Sales Representative and JobLevel

Sales Representative VS MonthlyIncome

0.003193316161835301 0.8326319998392251

We are accepting null hypothesis. There is no significant correlation between Sales Representative and MonthlyIncome

Sales Representative VS NumCompaniesWorked

0.013674887637350282 0.3654568208400985

We are accepting null hypothesis. There is no significant correlation between Sales Representative and NumCompaniesWorked

Sales Representative VS PercentSalaryHike

0.06284723794091493 3.1380844466061275e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and PercentSalaryHike

Sales Representative VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Sales Representative and StandardHours

Sales Representative VS StockOptionLevel

-0.030795527373817248 0.0415036093846435

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and StockOptionLevel

Sales Representative VS TotalWorkingYears

-0.03634628501036718 0.016123328472949845

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and TotalWorkingYears

Sales Representative VS TrainingTimesLastYear

0.019705853329080883 0.19215978435330544

We are accepting null hypothesis. There is no significant correlation between Sales Representative and TrainingTimesLastYear

Sales Representative VS YearsAtCompany

-0.04716703348569648 0.0017892757423998665

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and YearsAtCompany

Sales Representative VS YearsSinceLastPromotion

-0.032329509422558717 0.032350330624751525

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and YearsSinceLastPromotion

Sales Representative VS YearsWithCurrManager

-0.03973150657104486 0.008528899409182307

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and YearsWithCurrManager

Sales Representative VS Non-Travel

0.006053305548131196 0.6887160745172997

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Non-Travel

Sales Representative VS Travel\_Frequently

-0.03376521155248527 0.02540786994043751

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Travel\_Frequently

Sales Representative VS Travel\_Rarely

0.025035136297528286 0.09751346849429611

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Travel\_Rarely

Sales Representative VS Human Resources

Constant variable is not suitable for correlation

Sales Representative VS Research & Development

0.03367964685323917 0.025782178133719108

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Research & Development

Sales Representative VS Sales

-0.038088925556224194 0.011683710708753096

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Sales

Sales Representative VS Human Resources

Constant variable is not suitable for correlation

Sales Representative VS Life Sciences

-0.012863264766231373 0.39460402167258407

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Life Sciences

Sales Representative VS Marketing

-0.018068221571377358 0.2317696980277544

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Marketing

Sales Representative VS Medical

0.02398364123290922 0.11241920101177971

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Medical

Sales Representative VS Other

0.014276460767050124 0.344744251364143

We are accepting null hypothesis. There is no significant correlation between Sales

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Other

Sales Representative VS Technical Degree

-0.013916764310016639 0.357037208229155

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Technical Degree

Sales Representative VS Female

0.010965608826231269 0.4680217291442369

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Female

Sales Representative VS Male

-0.010965608826231266 0.4680217291442369

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Male

Sales Representative VS Healthcare Representative

-0.0761206405299519 4.5395745607353247e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Healthcare Representative

Sales Representative VS Human Resources

Constant variable is not suitable for correlation

Sales Representative VS Laboratory Technician

-0.11286871857824587 6.713379913403043e-14

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Laboratory Technician

Sales Representative VS Manager

-0.0667047640726697 9.902277390828897e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Manager

Sales Representative VS Manufacturing Director

-0.08034197942031249 1.0069517508321391e-07

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Manufacturing Director

Sales Representative VS Research Director

-0.05831619695646902 0.00011222138907288603

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Research Director

Sales Representative VS Research Scientist

-0.1215575596503779 6.78269582507746e-16

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Research Scientist

Sales Representative VS Sales Executive

-0.13046485309198408 4.284974128995513e-18

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Sales Executive

Sales Representative VS Sales Representative

1.0 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Sales Representative and Sales Representative

Sales Representative VS Divorced

-0.0010855282675215371 0.9427309235871827

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Divorced

Sales Representative VS Married

0.0026454963609760457 0.861021949947062

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Married

Sales Representative VS Single

-0.0018585177383156999 0.90211287485772

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Single

Sales Representative VS Y

nan nan

nan nan

We are accepting null hypothesis. There is no significant correlation between Sales Representative and Y

Finding out correlation between Divorced and all other features

Divorced VS Age

0.03186552470676396 0.03491648110720403

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Age

Divorced VS Attrition

-0.08685788586589438 8.463925503263661e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Attrition

Divorced VS DistanceFromHome

0.0018294901194206284 0.9036342315740755

We are accepting null hypothesis. There is no significant correlation between Divorced and DistanceFromHome

Divorced VS Education

-0.01716601133631843 0.25591788962948087

We are accepting null hypothesis. There is no significant correlation between Divorced and Education

Divorced VS JobLevel

0.015416620302258334 0.3075869113941853

We are accepting null hypothesis. There is no significant correlation between Divorced and JobLevel

Divorced VS MonthlyIncome

0.03405155279076262 0.02418923652713692

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and MonthlyIncome

Divorced VS NumCompaniesWorked

0.04258874423528067 0.0048067320106743045

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and NumCompaniesWorked

Divorced VS PercentSalaryHike

0.004605133278390667 0.7605495854835206

We are accepting null hypothesis. There is no significant correlation between Divorced and PercentSalaryHike

Divorced VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Divorced and StandardHours

Divorced VS StockOptionLevel

0.011753389115007132 0.4366632293106894

We are accepting null hypothesis. There is no significant correlation between Divorced and StockOptionLevel

Divorced VS TotalWorkingYears

0.03512307276833811 0.02006743072669267

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and TotalWorkingYears

Divorced VS TrainingTimesLastYear

-0.0026935636334234916 0.8585231772278626

We are accepting null hypothesis. There is no significant correlation between Divorced and TrainingTimesLastYear

Divorced VS YearsAtCompany

0.024558725251033493 0.10405876105038206

We are accepting null hypothesis. There is no significant correlation between Divorced and YearsAtCompany

Divorced VS YearsSinceLastPromotion

-0.005445014271357006 0.7185916279937977

We are accepting null hypothesis. There is no significant correlation between Divorced and YearsSinceLastPromotion

Divorced VS YearsWithCurrManager

0 01179479908475665 0 4350490296296547

0.01175475500475000 0.4550450250250047

We are accepting null hypothesis. There is no significant correlation between Divorced and YearsWithCurrManager

Divorced VS Non-Travel

0.059566978057794276 7.962877420066587e-05

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Non-Travel

Divorced VS Travel\_Frequently

0.00896791429940843 0.5528541486367704

We are accepting null hypothesis. There is no significant correlation between Divorced and Travel\_Frequently

Divorced VS Travel\_Rarely

-0.04747211183587098 0.0016701362778485255

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Travel\_Rarely

Divorced VS Human Resources

Constant variable is not suitable for correlation

Divorced VS Research & Development

-0.022179603704017697 0.1421102678627255

We are accepting null hypothesis. There is no significant correlation between Divorced and Research & Development

Divorced VS Sales

0.04852820656185458 0.0013118136022111993

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Sales

Divorced VS Human Resources

Constant variable is not suitable for correlation

Divorced VS Life Sciences

-0.05558700924960314 0.00023189129189592775

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Life Sciences

Divorced VS Marketing

0.04040868510015265 0.007467351209990428

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Marketing

Divorced VS Medical

0.03241318897113388 0.031905146636717716

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Medical

Divorced VS Other

-0.009616971655252939 0.5244866419042079

We are accepting null hypothesis. There is no significant correlation between Divorced and Other

Divorced VS Technical Degree

0.013918767375597028 0.35696799633080345

We are accepting null hypothesis. There is no significant correlation between Divorced and Technical Degree

Divorced VS Female

-0.027715081759342182 0.0665834780863705

We are accepting null hypothesis. There is no significant correlation between Divorced and Female

Divorced VS Male

0.02771508175934219 0.0665834780863705

We are accepting null hypothesis. There is no significant correlation between Divorced and Male

Divorced VS Healthcare Representative

0.024913879773275808 0.09914733447344148

We are accepting null hypothesis. There is no significant correlation between Divorced and Healthcare Representative

Divorced VS Human Resources

Constant variable is not suitable for correlation

Divorced VS Laboratory Technician

Divorced VS Laboratory Technician

0.012818402241936972 0.3962551082018093

We are accepting null hypothesis. There is no significant correlation between Divorced and Laboratory Technician

Divorced VS Manager

0.022648375376879325 0.133870592962167

We are accepting null hypothesis. There is no significant correlation between Divorced and Manager

Divorced VS Manufacturing Director

0.018564052731954273 0.21920911072530108

We are accepting null hypothesis. There is no significant correlation between Divorced and Manufacturing Director

Divorced VS Research Director

-0.025425800277598255 0.09239535377694286

We are accepting null hypothesis. There is no significant correlation between Divorced and Research Director

Divorced VS Research Scientist

-0.011050201291367842 0.46459578540961566

We are accepting null hypothesis. There is no significant correlation between Divorced and Research Scientist

Divorced VS Sales Executive

-0.016950732569371272 0.2619293568144184

We are accepting null hypothesis. There is no significant correlation between Divorced and Sales Executive

Divorced VS Sales Representative

-0.0010855282675215371 0.9427309235871827

We are accepting null hypothesis. There is no significant correlation between Divorced and Sales Representative

Divorced VS Divorced

0.9999999999999984 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Divorced

Divorced VS Married

-0.4901434858915226 1.177919809968813e-263

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Married

Divorced VS Single

-0.3662942495074211 3.108471273656917e-139

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Divorced and Single

Divorced VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Divorced and Y

Finding out correlation between Married and all other features

Married VS Age

0.0852137621396225 1.6088110663378668e-08

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Age

Married VS Attrition

-0.08962656513467841 2.7942265415767945e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Attrition

Married VS DistanceFromHome

0.03869157559734739 0.010422661160473098

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and DistanceFromHome

Married VS Education

-0.007207953040453165 0.6333531449675878

We are accepting null hypothesis. There is no significant correlation between Married and Education

Married VS JobLevel

0.000010452066220126 0.5500721202222112

0.009010455900229150 0.009721502522115

We are accepting null hypothesis. There is no significant correlation between Married and JobLevel

Married VS MonthlyIncome

0.019744923966432085 0.19127968118040586

We are accepting null hypothesis. There is no significant correlation between Married and MonthlyIncome

Married VS NumCompaniesWorked

-0.016034804855139945 0.28859166549257614

We are accepting null hypothesis. There is no significant correlation between Married and NumCompaniesWorked

Married VS PercentSalaryHike

-0.017100637848431577 0.25773316694411014

We are accepting null hypothesis. There is no significant correlation between Married and PercentSalaryHike

Married VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Married and StandardHours

Married VS StockOptionLevel

-0.03911824916710367 0.00960455113069132

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and StockOptionLevel

Married VS TotalWorkingYears

0.054388950432280855 0.00031577013137356583

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and TotalWorkingYears

Married VS TrainingTimesLastYear

-0.018160970710198947 0.22938210886783877

We are accepting null hypothesis. There is no significant correlation between Married and TrainingTimesLastYear

Married VS YearsAtCompany

0.04506066631379315 0.002849433792704444

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and YearsAtCompany

Married VS YearsSinceLastPromotion

0.053872285042860076 0.0003600739920166537

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and YearsSinceLastPromotion

Married VS YearsWithCurrManager

0.033842255874246135 0.02507486582214912

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and YearsWithCurrManager

Married VS Non-Travel

-0.04564069054169231 0.002511314392543382

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Non-Travel

Married VS Travel\_Frequently

-0.0302968636388895 0.044916045975159566

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Travel\_Frequently

Married VS Travel\_Rarely

0.056544842856858964 0.00018038720381802076

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Travel\_Rarely

Married VS Human Resources

Constant variable is not suitable for correlation

Married VS Research & Development

0.028691020743478027 0.057551421173789474

We are accepting null hypothesis. There is no significant correlation between Married and Research & Development

Married VS Sales

Married vs Sales

-0.039004774632753494 0.009816345273644222

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Sales

Married VS Human Resources

Constant variable is not suitable for correlation

Married VS Life Sciences

0.009150806154863085 0.5447851740557639

We are accepting null hypothesis. There is no significant correlation between Married and Life Sciences

Married VS Marketing

-0.011130625956293855 0.46135161047121914

We are accepting null hypothesis. There is no significant correlation between Married and Marketing

Married VS Medical

-0.02201191032198135 0.14515058356577484

We are accepting null hypothesis. There is no significant correlation between Married and Medical

Married VS Other

0.050426817477195844 0.0008400195379881718

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Other

Married VS Technical Degree

-0.002471383252590706 0.8700846732527462

We are accepting null hypothesis. There is no significant correlation between Married and Technical Degree

Married VS Female

0.03433442938960242 0.023035415151426725

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Female

Married VS Male

-0.03433442938960241 0.023035415151426725

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Male

Married VS Healthcare Representative

0.020668437256243396 0.1713315986133719

We are accepting null hypothesis. There is no significant correlation between Married and Healthcare Representative

Married VS Human Resources

Constant variable is not suitable for correlation

Married VS Laboratory Technician

-0.008461844092532495 0.5754820467007937

We are accepting null hypothesis. There is no significant correlation between Married and Laboratory Technician

Married VS Manager

-0.0534443251377366 0.0004011031665495981

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Manager

Married VS Manufacturing Director

0.008498012368552969 0.5738504393244759

We are accepting null hypothesis. There is no significant correlation between Married and Manufacturing Director

Married VS Research Director

-0.025410785620870117 0.0925879957182882

We are accepting null hypothesis. There is no significant correlation between Married and Research Director

Married VS Research Scientist

-0.019944523935292953 0.1868297342630577

We are accepting null hypothesis. There is no significant correlation between Married and Research Scientist

Married VS Sales Executive

0.04782771421888482 0.001526887564468885



0.0478377143189948/ 0.0015369875044260685

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Sales Executive

Married VS Sales Representative

0.0026454963609760457 0.861021949947062

We are accepting null hypothesis. There is no significant correlation between Married and Sales Representative

Married VS Divorced

-0.4901434858915226 1.177919809968813e-263

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Divorced

Married VS Married

0.9999999999999998 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Married

Married VS Single

-0.6315251112956505 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Married and Single

Married VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Married and Y

Finding out correlation between Single and all other features

Single VS Age

-0.1193132757137981 2.296028951557266e-15

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Age

Single VS Attrition

0.172941654460119 9.112198804613137e-31

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Attrition

Single VS DistanceFromHome

-0.042931605452376315 0.004477116249287258

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and DistanceFromHome

Single VS Education

0.022964426972266846 0.1285271935529923

We are accepting null hypothesis. There is no significant correlation between Single and Education

Single VS JobLevel

-0.023332497462699046 0.12251485874544123

We are accepting null hypothesis. There is no significant correlation between Single and JobLevel

Single VS MonthlyIncome

-0.05136822428317406 0.0006697266852020769

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and MonthlyIncome

Single VS NumCompaniesWorked

-0.020766608005509068 0.1693062270258839

We are accepting null hypothesis. There is no significant correlation between Single and NumCompaniesWorked

Single VS PercentSalaryHike

0.014158927557312448 0.3487310300326754

We are accepting null hypothesis. There is no significant correlation between Single and PercentSalaryHike

Single VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Single and StandardHours

Single VS StockOptionLevel

0.03130465025315712 0.038248617513498444

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and StockOptionLevel

Single VS TotalWorkingYears

-0.08930473065326225 3.1838882626080074e-09

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and TotalWorkingYears

Single VS TrainingTimesLastYear

0.021783301772567702 0.14937521245036461

We are accepting null hypothesis. There is no significant correlation between Single and TrainingTimesLastYear

Single VS YearsAtCompany

-0.0699492057363176 3.5734926259255127e-06

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and YearsAtCompany

Single VS YearsSinceLastPromotion

-0.052666464394305584 0.0004870653427368636

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and YearsSinceLastPromotion

Single VS YearsWithCurrManager

-0.04661932326745281 0.0020229499772961507

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and YearsWithCurrManager

Single VS Non-Travel

-0.004264319938573772 0.7777866644170477

We are accepting null hypothesis. There is no significant correlation between Single and Non-Travel

Single VS Travel\_Frequently

0.02436537967735506 0.10681265610489518

We are accepting null hypothesis. There is no significant correlation between Single and Travel\_Frequently

Single VS Travel\_Rarely

-0.01813493232837509 0.23005062696331358

We are accepting null hypothesis. There is no significant correlation between Single and Travel\_Rarely

Single VS Human Resources

Constant variable is not suitable for correlation

Single VS Research & Development

-0.010898849202721252 0.47073529990264595

We are accepting null hypothesis. There is no significant correlation between Single and Research & Development

Single VS Sales

-0.0015289556385631449 0.9194052185429161

We are accepting null hypothesis. There is no significant correlation between Single and Sales

Single VS Human Resources

Constant variable is not suitable for correlation

Single VS Life Sciences

0.03967785157186987 0.008618515426332001

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Life Sciences

Single VS Marketing

-0.02406270206593193 0.11123939138947797

We are accepting null hypothesis. There is no significant correlation between Single and Marketing

Single VS Medical

-0.005334393044649464 0.7240728022593587

We are accepting null hypothesis. There is no significant correlation between Single and Medical

Single VS Other

-0.0452772427765263 0.002718599704816491

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Other

Single VS Technical Degree

-0.009742961293196862 0.5190678466873979

We are accepting null hypothesis. There is no significant correlation between Single and Technical Degree

Single VS Female

-0.011999328335821046 0.42712695493328595

We are accepting null hypothesis. There is no significant correlation between Single and Female

Single VS Male

0.01199932833582109 0.42712695493328595

We are accepting null hypothesis. There is no significant correlation between Single and Male

Single VS Healthcare Representative

-0.04422582204552033 0.0034093078558425824

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Healthcare Representative

Single VS Human Resources

Constant variable is not suitable for correlation

Single VS Laboratory Technician

-0.002369183901459765 0.8754122637033914

We are accepting null hypothesis. There is no significant correlation between Single and Laboratory Technician

Single VS Manager

0.036906623341704865 0.014556411298874281

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Manager

Single VS Manufacturing Director

-0.02558520317118766 0.09036995444998609

We are accepting null hypothesis. There is no significant correlation between Single and Manufacturing Director

Single VS Research Director

0.04974376679649611 0.0009878240747614613

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Research Director

Single VS Research Scientist

0.03112080635395765 0.03939804830971595

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Research Scientist

Single VS Sales Executive

-0.03598967793909998 0.017196037460122014

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Sales Executive

Single VS Sales Representative

-0.0018585177383156999 0.90211287485772

We are accepting null hypothesis. There is no significant correlation between Single and Sales Representative

Single VS Divorced

-0.3662942495074211 3.108471273656917e-139

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Divorced

Single VS Married

-0.6315251112956505 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Married

Single VS Single

0.9999999999999989 0.0

We are rejecting null hypothesis and accepting alternative hypothesis. There is significant correlation between Single and Single

Single VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Single and Y

Finding out correlation between Y and all other features

Y VS Age

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Age

Y VS Attrition

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Attrition

Y VS DistanceFromHome

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and DistanceFromHome

Y VS Education

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Education

Y VS JobLevel

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and JobLevel

Y VS MonthlyIncome

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and MonthlyIncome

Y VS NumCompaniesWorked

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and NumCompaniesWorked

Y VS PercentSalaryHike

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and PercentSalaryHike

Y VS StandardHours

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and StandardHours

Y VS StockOptionLevel

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and StockOptionLevel

Y VS TotalWorkingYears

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and TotalWorkingYears

Y VS TrainingTimesLastYear

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and TrainingTimesLastYear

Y VS YearsAtCompany

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and YearsAtCompany

Y VS YearsSinceLastPromotion

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and YearsSinceLastPromotion

Y VS YearsWithCurrManager

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and YearsWithCurrManager

Y VS Non-Travel

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Non-Travel

Y VS Travel\_Frequently

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Travel\_Frequently

Y VS Travel\_Rarely

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Travel\_Rarely

Y VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Human Resources

Y VS Research & Development

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Research & Development

Y VS Sales

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Sales

Y VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Human Resources

Y VS Life Sciences

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Life Sciences

Y VS Marketing

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Marketing

Y VS Medical

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Medical

Y VS Other

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Other

Y VS Technical Degree

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Technical Degree

Y VS Female

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Female

Y VS Male

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Male

Y VS Healthcare Representative

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Healthcare Representative

Y VS Human Resources

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Human Resources

Y VS Laboratory Technician

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Laboratory Technician

Y VS Manager

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Manager

Y VS Manufacturing Director

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Manufacturing Director

Y VS Research Director

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Research Director

Y VS Research Scientist

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Research Scientist

Y VS Sales Executive

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Sales Executive

Y VS Sales Representative

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Sales Representative

Y VS Divorced

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Divorced

Y VS Married

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Married

Y VS Single

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Single

Y VS Y

nan nan

We are accepting null hypothesis. There is no significant correlation between Y and Y

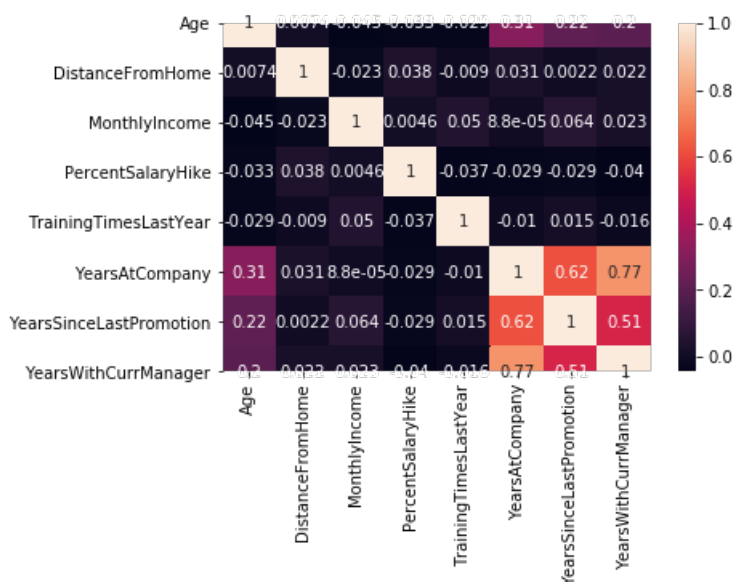
Applying heatmap for I dataframe which consists only continuous features

In [101]:

```
sns.heatmap(l.corr(),annot=True)
```

Out[101]:

<matplotlib.axes.\_subplots.AxesSubplot at 0x199d9a2de08>



Above Heatmap explains pictorial correlation between continuous features

```
In [102]:
```

```
summary
```

```
Out[102]:
```

	count	mean	std	min	25%	50%	75%	max	skew	kurt
Age	4382.0	36.933364	9.137272	18.0	30.0	36.0	43.0	60.0	0.413048	-0.409517
DistanceFromHome	4382.0	9.198996	8.105396	1.0	2.0	7.0	14.0	29.0	0.955517	-0.230691
MonthlyIncome	4382.0	65061.702419	47142.310175	10090.0	29110.0	49190.0	83790.0	199990.0	1.367457	0.990836
PercentSalaryHike	4382.0	15.210634	3.663007	11.0	12.0	14.0	18.0	25.0	0.819510	-0.306951
TrainingTimesLastYear	4382.0	2.798266	1.289402	0.0	2.0	3.0	3.0	6.0	0.551818	0.494215
YearsAtCompany	4382.0	7.010497	6.129351	0.0	3.0	5.0	9.0	40.0	1.764619	3.930726
YearsSinceLastPromotion	4382.0	2.191693	3.224994	0.0	0.0	1.0	3.0	15.0	1.980992	3.592162
YearsWithCurrManager	4382.0	4.126198	3.569674	0.0	2.0	3.0	7.0	17.0	0.834277	0.170703

Heatmap and summary dataframe explains most of stats of continuous features.

## Visualisation using barplot

```
In [109]:
```

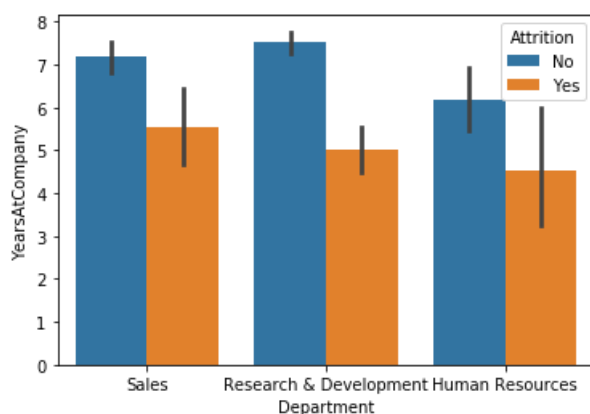
```
data=pd.read_csv("general_data.csv")
data_Yes=data[data['Attrition']=="Yes"]
data_No=data[data['Attrition']=="No"]
```

```
In [105]:
```

```
sns.barplot(x="Department",y="YearsAtCompany",data=data,hue='Attrition')
```

```
Out[105]:
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x199d9ce90c8>
```



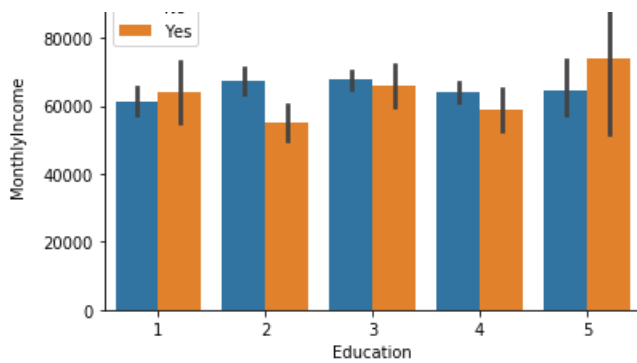
```
In [114]:
```

```
sns.barplot(x="Education",y="MonthlyIncome",data=data,hue='Attrition')
```

```
Out[114]:
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x199d9db4648>
```





We can visualise data categorically and draw inferences.

## Wilcoxon testing

In [107]:

```
stats,p=st.wilcoxon(data.DistanceFromHome,data.YearsAtCompany)
stats,p
```

Out[107]:

```
(3204327.0, 1.4292401447645068e-37)
```

H0: There is no significant difference between DistanceFromHome and YearsAtCompany H1: There is significant difference between DistanceFromHome and YearsAtCompany As p value is lesser than 0.05, we reject H0 and accept H1

Friedman test on Education,MonthlyIncome and YearsAtCompany

In [108]:

```
stats,p=st.friedmanchisquare( data.Education,data.MonthlyIncome,data.YearsAtCompany)
stats,p
```

Out[108]:

```
(7223.067546449037, 0.0)
```

H0: There is no significant difference between Education,MonthlyIncome and YearsAtCompany H1: There is significant difference between Education,MonthlyIncome and YearsAtCompany As p value is lesser than 0.05, we reject H0 and accept H1

Mann whitney test on two independent samples

In [111]:

```
stats,p=st.mannwhitneyu(data_Yes.YearsAtCompany,data_No.YearsAtCompany)
stats,p
```

Out[111]:

```
(923238.0, 6.047598261692858e-37)
```

H0: There is no significant difference between YearsAtCompany in both cases H1: There is significant difference between YearsAtCompany in both cases As p value is lesser than 0.05, we reject H0 and accept H1

Kruskal-Wallis test

In [112]:

```
stats,p=st.kruskal(data[data['Education']==1]['MonthlyIncome'],data[data['Education']==2]
['MonthlyIncome'],data[data['Education']==3]['MonthlyIncome'])
stats,p
```



```
Out[112]:
```

```
(2.0301507609714973, 0.362375112790892)
```

H0: There is no significant difference between MonthlyIncome in different education levels H1: There is significant difference between MonthlyIncome in different education levels As p value is greater than 0.05, we accept H0

```
In [ ]:
```