PROJECT DEVELOPMENT PHASE

SPRINT 1

Date	30 October 2022
Team ID	PNT2022TMID40488
Project Name	Corporate Employee Attrition Analysis

SOURCE CODE:

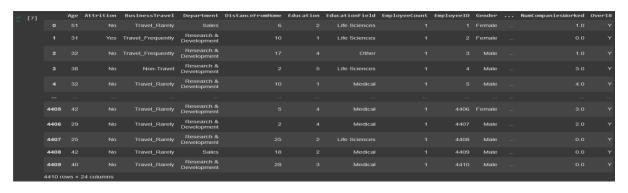
It is with the understanding of the given set if datasets and fetching the data and cleaning the data with the provided three set of datasets.

These are the results for the various datasets provided:

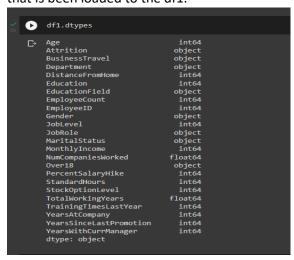
- 1. General Data CSV file:
 - To fetch the dataset,

df1=pd.read csv('general data.csv')

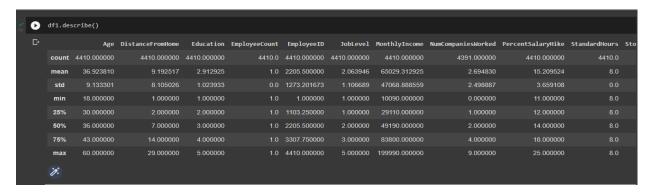
To view the data by df1



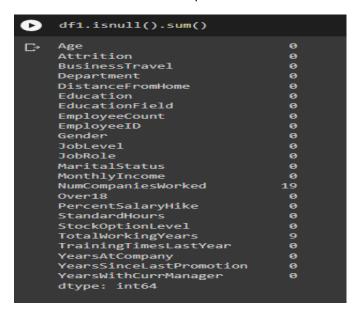
• To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.



To describe the information of the dataset that is fetched.



• To check the null values if present:



Here there are some null values in the number of Companies worked that are cleaned and the data after cleaning is referred as;

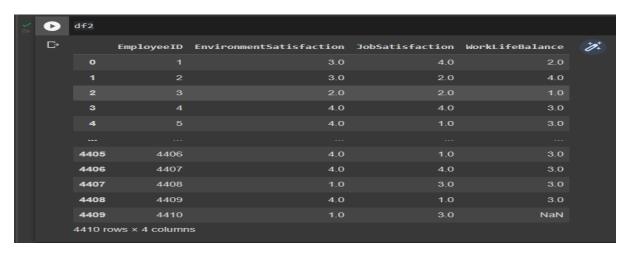
After the correction there is no null values left and the data is cleaned.

2. Employee Survey Data CSV file:

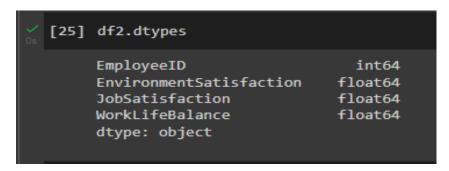
• To fetch the dataset,

```
df2 = pd.read_csv('employee_survey_data.csv')
```

 To view the data by df2



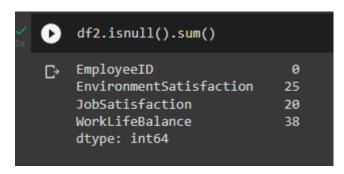
• To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.



• To describe the information of the dataset that is fetched.

(23]	df2.describe()					
		EmployeeID	EnvironmentSatisfaction	JobSatisfaction	WorkLifeBalance	
	count	4410.000000	4385.000000	4390.000000	4372.000000	
	mean	2205.500000	2.723603	2.728246	2.761436	
	std	1273.201673	1.092756	1.101253	0.706245	
	min	1.000000	1.000000	1.000000	1.000000	
	25%	1103.250000	2.000000	2.000000	2.000000	
	50%	2205.500000	3.000000	3.000000	3.000000	
	75%	3307.750000	4.000000	4.000000	3.000000	
	max	4410.000000	4.000000	4.000000	4.000000	

• To check the null values if present:



Here there are some null values in the number of Companies worked that are cleaned and the data after cleaning is referred as;

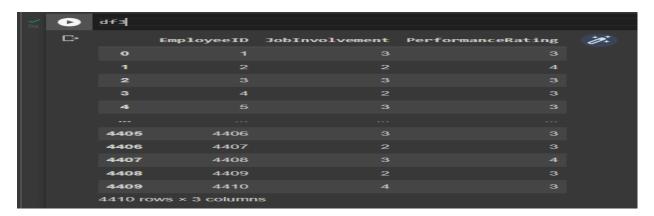
After the correction there is no null values left and the data is cleaned.

3. Manager Survey Data CSV file:

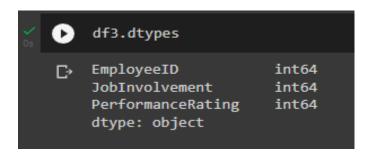
To fetch the dataset,

```
df3=pd.read_csv('manager_survey_data.csv')
```

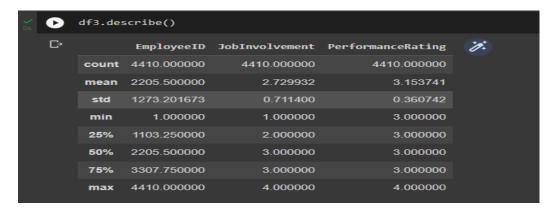
 To view the data by df2



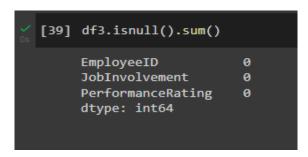
• To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.



• To describe the information of the dataset that is fetched.



• To check the null values if present:



As there is no null values in the columns of the dataset the data fetched is already cleaned.