# **EMPLOYEE ATTRITION**

The Synthetic Employee Attrition Dataset is a simulated dataset designed for the analysis and prediction of employee attrition. It contains detailed information about various aspects of an employee's profile, including demographics, job-related features, and personal circumstances.

The dataset comprises 74,498 samples, split into training and testing sets to facilitate model development and evaluation. Each record includes a unique Employee ID and features that influence employee attrition. The goal is to understand the factors contributing to attrition and develop predictive models to identify at-risk employees.

This dataset is ideal for HR analytics, machine learning model development, and demonstrating advanced data analysis techniques. It provides a comprehensive and realistic view of the factors affecting employee retention, making it a valuable resource for researchers and practitioners in the field of human resources and organizational development.

### **FEATURES:**

**Employee ID:** A unique identifier assigned to each employee. Age: The age of the employee, ranging from 18 to 60 years.

**Gender:** The gender of the employee

Years at Company: The number of years the employee has been working at the company.

Monthly Income: The monthly salary of the employee, in dollars.

Job Role: The department or role the employee works in, encoded into categories such as Finance,

Healthcare, Technology, Education, and Media.

Work-Life Balance: The employee's perceived balance between work and personal life, (Poor,

Below Average, Good, Excellent)

**Job Satisfaction:** The employee's satisfaction with their job: (Very Low, Low, Medium, High) Performance Rating: The employee's performance rating: (Low, Below Average, Average, High)

Number of Promotions: The total number of promotions the employee has received.

Distance from Home: The distance between the employee's home and workplace, in miles.

Education Level: The highest education level attained by the employee: (High School, Associate

Degree, Bachelor's Degree, Master's Degree, PhD)

Marital Status: The marital status of the employee: (Divorced, Married, Single)

**Job Level:** The job level of the employee: (Entry, Mid, Senior)

Company Size: The size of the company the employee works for: (Small, Medium, Large)

Company Tenure: The total number of years the employee has been working in the industry.

**Remote Work:** Whether the employee works remotely: (Yes or No)

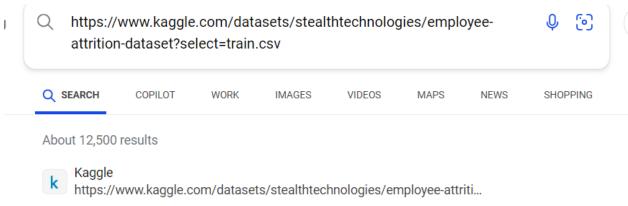
Leadership Opportunities: Whether the employee has leadership opportunities: (Yes or No) **Innovation Opportunities:** Whether the employee has opportunities for innovation: (Yes or No) Company Reputation: The employee's perception of the company's reputation: (Very Poor, Poor, Good, Excellent)

Employee Recognition: The level of recognition the employee receives: (Very Low, Low, Medium, High)

Attrition: Whether the employee has left the company, encoded as 0 (stayed) and 1 (Left).

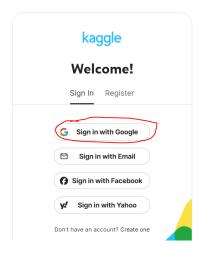
LINK to DATASET: <a href="https://www.kaggle.com/datasets/stealthtechnologies/employee-attrition-dataset?select=train.csv">https://www.kaggle.com/datasets/stealthtechnologies/employee-attrition-dataset?select=train.csv</a>

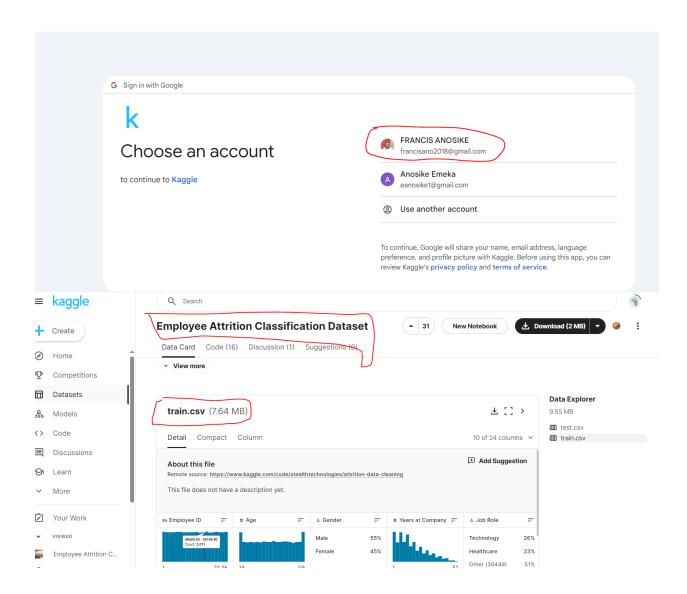
- 1. Share dataset/s used
  - Al Interns to sign up on Kaggle to get datasets



# Employee Attrition Classification Dataset | Kaggle

WEB An In-Depth Synthetic Simulation for Attrition Analysis and Prediction





# 2. <u>Documentation</u>

- 1. This needs to be reflect the model methodology applied, i.e. Document the entire process, including data preprocessing steps, model selection, evaluation metrics, and any decisions made during development.
- 2. The key outcome is for the analyst on our end to recreate this model, hence this document needs to be as comprehensive as possible.

Data quality management was ensured

Data profiler packages was created

Data quality packages were created

Employee Attrition model created

```
[]: #Description: Training Employee Attrition to find Employee that left or Stayed

[13]: #Import the Libraries or packages import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns pd.set_option('display.max_columns',None) import warnings warnings.filterwarnings('ignore')
```

from ydata profiling import ProfileReport, compare

[14]: #Loading the data from kagle datasets
 df = pd.read\_csv('train.csv')
 df.head(20)



ıber of otions	Overtime	Distance from Home	Education Level	Marital Status	Number of Dependents	Job Level	Company Size	Company Tenure	Remote Work	Leadership Opportunities	Innovation Opportunities	Company Reputation	Employee Recognition	Attrition
2	No	22	Associate Degree	Married	0	Mid	Medium	89	No	No	No	Excellent	Medium	Stayed
3	No	21	Master's Degree	Divorced	3	Mid	Medium	21	No	No	No	Fair	Low	Stayed
0	No	11	Bachelor's Degree	Married	3	Mid	Medium	74	No	No	No	Poor	Low	Stayed
1	No	27	High School	Single	2	Mid	Small	50	Yes	No	No	Good	Medium	Stayed
0	Yes	71	High School	Divorced	0	Senior	Medium	68	No	No	No	Fair	Medium	Stayed
3	No	37	Bachelor's Degree	Married	0	Mid	Medium	47	No	No	Yes	Fair	High	Left
1	Yes	75	High	Divorced	3	Entry	Small	93	No	No	No	Good	Medium	Left

# [ ]: #EDA #Exploratory Data Analysis

# [15]: #view some statistics of the datasets df.describe()

[15]:	Employee ID		ee ID Age Years at Co		Monthly Income	Number of Promotions	Distance from Home	Number of Dependents	Company Tenure
	count	59598.000000	59598.000000	59598.000000	59598.000000	59598.000000	59598.000000	59598.000000	59598.000000
	mean	37227.118729	38.565875	15.753901	7302.397983	0.832578	50.007651	1.648075	55.758415
	std	21519.150028	12.079673	11.245981	2151.457423	0.994991	28.466459	1.555689	25.411090
	min	1.000000	18.000000	1.000000	1316.000000	0.000000	1.000000	0.000000	2.000000
	25%	18580.250000	28.000000	7.000000	5658.000000	0.000000	25.000000	0.000000	36.000000
	50%	37209.500000	39.000000	13.000000	7354.000000	1.000000	50.000000	1.000000	56.000000
	75%	55876.750000	49.000000	23.000000	8880.000000	2.000000	75.000000	3.000000	76.000000
	max	74498.000000	59.000000	51.000000	16149.000000	4.000000	99.000000	6.000000	128.000000

: #get the number of rows and columns df.shape

: (59598, 24)

: #Get the column data types df.dtypes

: Employee ID int64 Age int64 Gender object Years at Company int64 object Job Roie
Monthly Income
Work-Life Balance object
The Satisfaction object object int64 Job Role object Overtime Distance from Home int64 object Education Level Marital Status object Number of Dependents int64 object Job Level object Company Size Company Tenure int64

```
#Get a count of the empty vlues for each columns
df.isna().sum()
```

```
Employee ID
                           0
Age
                           0
Gender
                           0
Years at Company
                         0
Job Role
                           0
Monthly Income
                           0
Work-Life Balance
Job Satisfaction
                           0
Performance Rating
Number of Promotions
                           0
Overtime
                           0
Distance from Home
Education Level
                           0
Marital Status
                           0
Number of Dependents
                           0
Job Level
                           0
Company Size
                           0
Company Tenure
                         0
Remote Work
Leadership Opportunities 0
Innovation Opportunities 0
Company Reputation
                          0
Employee Recognition
                           0
```

#check for any missing /null values in the data
df.isnull().values.any()

#### False

```
#Get the information about the datasets
df.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 59598 entries, 0 to 59597
Data columns (total 24 columns):

#	Column	Non-Null Count	Dtype
0	Employee ID	59598 non-null	int64
1	Age	59598 non-null	int64
2	Gender	59598 non-null	object
3	Years at Company	59598 non-null	int64
4	Job Role	59598 non-null	object
5	Monthly Income	59598 non-null	int64
6	Work-Life Balance	59598 non-null	object
7	Job Satisfaction	59598 non-null	object
8	Performance Rating	59598 non-null	object
9	Number of Promotions	59598 non-null	int64
10	Overtime	59598 non-null	object
11	Distance from Home	59598 non-null	int64
12	Education Level	59598 non-null	obiect

```
#Get the count of the number of Employeee that stayed or left the company
df['Attrition'].value_counts()
 Attrition
 Stayed 31260
 Left
          28338
 Name: count, dtype: int64
 #Print all of the data types and their unique values
 for column in df.columns:
    if df[column].dtype == object:
        print(str(column)+ ' : '+ str(df[column].unique()))
        print(df[column].value_counts())
        print('____')
#Print all of the data types and their unique values
for column in df.columns:
    if df[column].dtype == object:
        print(str(column)+ ' : '+ str(df[column].unique()))
        print(df[column].value_counts())
        print('____
Fair 11817
Excellent 5981
Name: count, dtype: int64
Employee Recognition : ['Medium' 'Low' 'High' 'Very High']
Employee Recognition
           23758
Medium
             18033
           14844
2963
High
Very High
Name: count, dtype: int64
Attrition : ['Stayed' 'Left']
Attrition Stayed 31260
Left 28338
Name: count, dtype: int64
                                                                                                              回↑↓古早 🕯
##lets convert this attrition to label
from sklearn.preprocessing import LabelEncoder
le = LabelEncoder()
df['Attrition'] = le.fit_transform(df['Attrition'])
df.head(20)
```

ber of otions	Overtime	Distance from Home	Education Level	Marital Status	Number of Dependents	Job Level	Company Size	Company Tenure		Leadership Opportunities	Innovation Opportunities		Employee Recognition	Attrition
2	No	22	Associate Degree	Married	0	Mid	Medium	89	No	No	No	Excellent	Medium	1
3	No	21	Master's Degree	Divorced	3	Mid	Medium	21	No	No	No	Fair	Low	1
0	No	11	Bachelor's Degree	Married	3	Mid	Medium	74	No	No	No	Poor	Low	1
1	No	27	High School	Single	2	Mid	Small	50	Yes	No	No	Good	Medium	1
0	Yes	71	High School	Divorced	0	Senior	Medium	68	No	No	No	Fair	Medium	1
3	No	37	Bachelor's Degree	Married	0	Mid	Medium	47	No	No	Yes	Fair	High	0

```
#the list of classes
le.classes_
array(['Left', 'Stayed'], dtype=object)
#Attrition ={'Stayed': 0, 'Left':1}
#you can assign Attribu=tion number like this
Attrition_Employee = le.classes_
print(Attrition_Employee)
['Left' 'Stayed']
# 0: Employee stayed
# 1 : Employee Left
#Plotting the data distribution
p = df.hist(figsize =(20,20))
                      Employee ID
                                                                                                                                      Years at Company
 6000 -
                                                                                                                  12000
                                                          7000
                                                          6000
                                                                                                                  10000
                                                          5000
                                                                                                                  8000
 4000
 3000
                                                                                                                  6000
 2000
                                                          2000
 1000
                                                                                                                  2000
                                                          1000
          10000 20000 30000 40000 50000 60000 70000
                     Monthly Income
                                                                           Number of Promotions
                                                                                                                                     Distance from Home
                                                          30000
14000
                                                                                                                    6000
12000
                                                          25000
                                                                                                                    5000
                                                         20000
 8000
                                                         15000
                                                                                                                    3000
 6000
                                                          10000
                                                                                                                    2000
 4000
                                                          5000
        2000 4000 6000 8000 10000 12000 14000 16000
                                                                    0.5
                                                                         1.0
                                                                               1.5 2.0
                                                                                       2.5
                                                                                             3.0
                                                                                                  3.5
                  Number of Dependents
                                                                              Company Tenure
                                                                                                                                          Attrition
                                                          10000
 17500
                                                                                                                  30000
 15000
                                                          8000
                                                                                                                  25000
 12500
                                                                                                                  20000
                                                          6000
                                                                                                                  15000
  7500
                                                          4000
```

0.0

80 100

```
#checking the balanace of the data by plotting the count of Attrition by their values

color_wheel = {1: "#0392cf", 2: "#7bc043"}

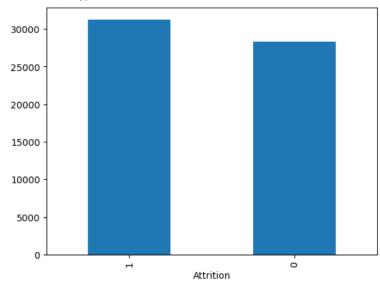
colors = df["Attrition"].map(lambda x: color_wheel.get(x+1))
print(df.Attrition.value_counts())
p=df.Attrition.value_counts().plot(kind="bar")
```

Attrition 1 31260 0 28338

Name: count, dtype: int64

Attrition 1 31260 0 28338

Name: count, dtype: int64



Number of Promotions	Overtime	Distance from Home	Education Level		Number of Dependents		Company Size	Company Tenure	Remote Work		Innovation Opportunities	Company Reputation	Employee Recognition	Attrition
2	0	22	0	1	0	1	1	89	0	0	0	0	2	1
3	0	21	3	0	3	1	1	21	0	0	0	1	1	1
0	0	11	1	1	3	1	1	74	0	0	0	3	1	1
1	0	27	2	2	2	1	2	50	1	0	0	2	2	1
0	1	71	2	0	0	2	1	68	0	0	0	1	2	1
1	1	66	1	2	2	2	2	35	0	0	1	3	3	0
3	0	42	0	2	0	2	1	73	0	0	0	1	2	0
0	1	34	3	1	2	0	2	29	0	1	0	2	2	1
0	0	62	1	2	0	0	0	9	0	0	0	2	1	0
0	1	20	3	1	3	1	1	81	0	0	0	2	1	1

```
#split our datasets into 2 groups
 #training datatsets and testing datasets
 #we use bthe training datasets to train our model
 #we use the testing datasets to test our model
 #Model Training#
 from sklearn.model_selection import train_test_split
 #train 70%
 x= df.drop(columns=['Employee ID', 'Attrition'])
 y= df['Attrition']
 x_train, x_test, y_train, y_test = train_test_split(x,y,test_size=0.30)
 x_train.shape
  (41718, 22)
 x_test.shape
  (17880, 22)
 #logistic Regression
  from sklearn.linear_model import LogisticRegression
 model = LogisticRegression()
  #model Training
  model.fit(x_train, y_train)
 ▼ LogisticRegression
 LogisticRegression()
 #Make predictions
 expected = y_train
 predicted = model.predict(x_train)
 predicted
 #this is the predicted Attrition for the Features since we have represented the Attrition in 0, 1
 #Make predictions
  expected = y_train
  predicted = model.predict(x_train)
 predicted
  #this is the predicted Attrition for the Features since we have represented the Attrition in 0, 1 \,
array([1, 1, 1, ..., 1, 1, 1])
#to better understand the predicted Result we can use the confusion matrix to give insight of the prediction
 from sklearn import metrics
print (metrics.classification_report(expected, predicted))
```

	precision	recall	f1-score	support
0 1	0.67 0.68	0.63 0.71	0.65 0.70	19834 21884
accuracy macro avg weighted avg	0.67 0.67	0.67 0.67	0.67 0.67 0.67	41718 41718 41718

```
print(metrics.confusion_matrix(expected,predicted))

[[12545 7289]
        [6282 15602]]

import seaborn as sns

from sklearn import metrics

#ax = sns.heatmap(metrics, annot=True, fmt='d', cmap ='Reds', xticklabels=Attrition_Employee, yticklabels=Attrition_Employee)

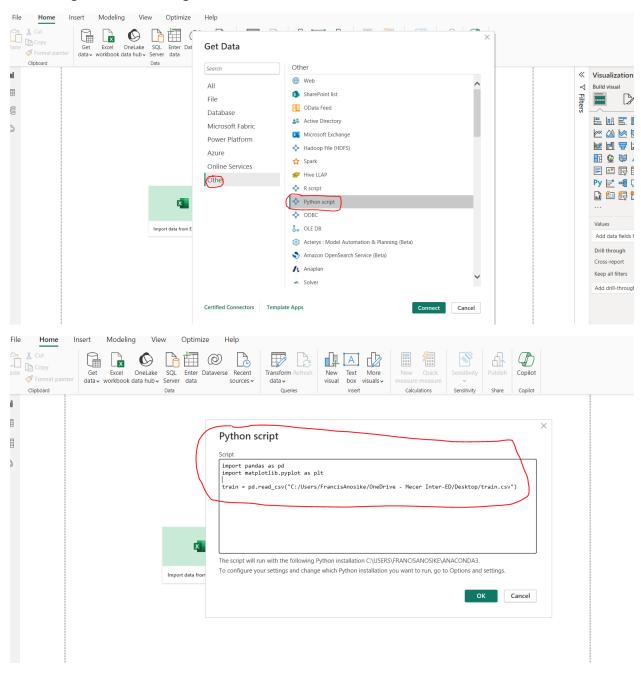
#ax.set_title('confusion matrix for Employee Attrition')

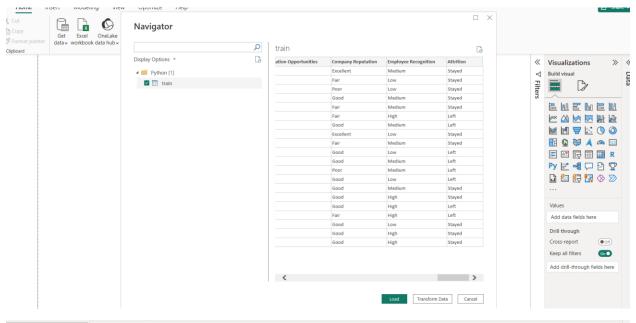
#ax.set_xlabel('prediction', fontsize=14)

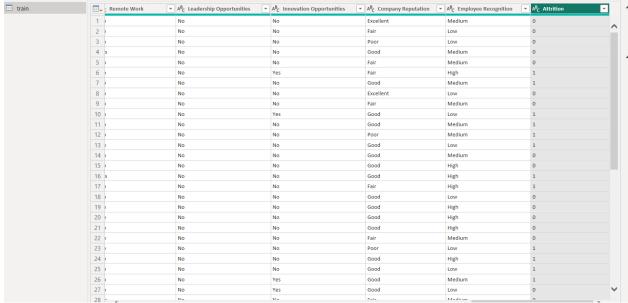
#ax.set_ylablel('actual', fontsize=14)
```

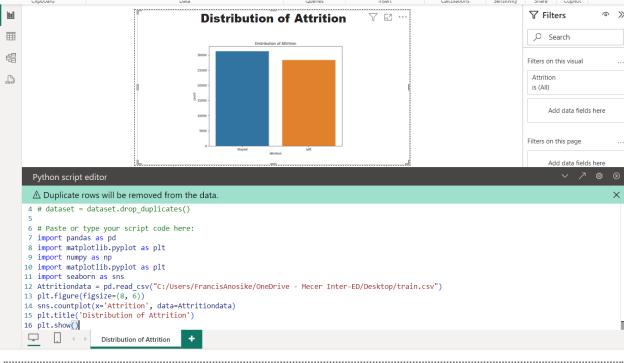
# Create visuals: Using Python Scripts embedded in PowerBI

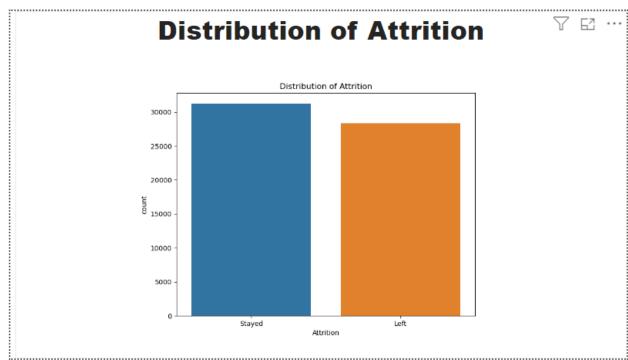
Visualizing the dataset using Power Bi

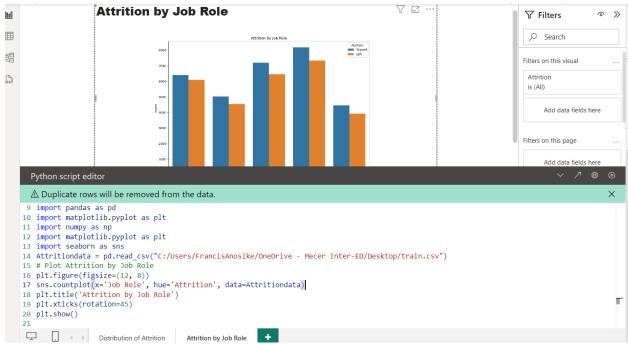


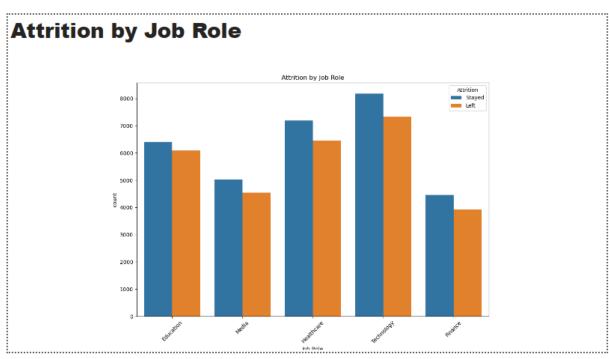


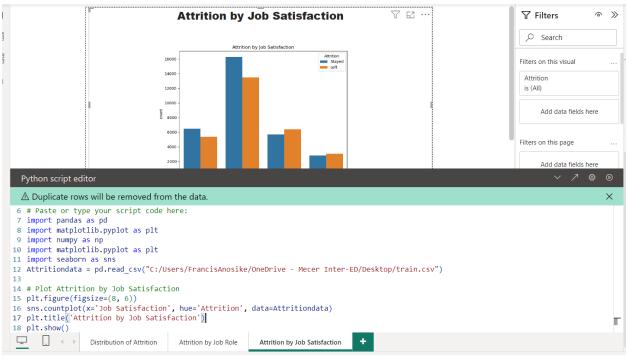


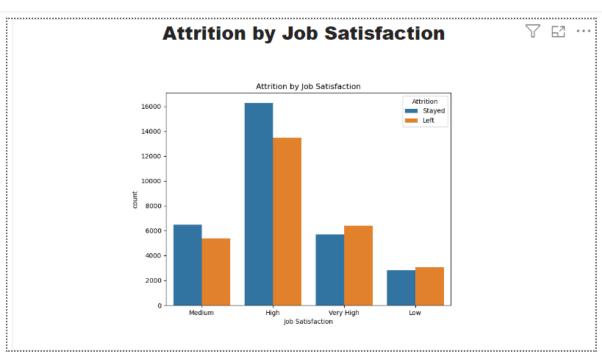


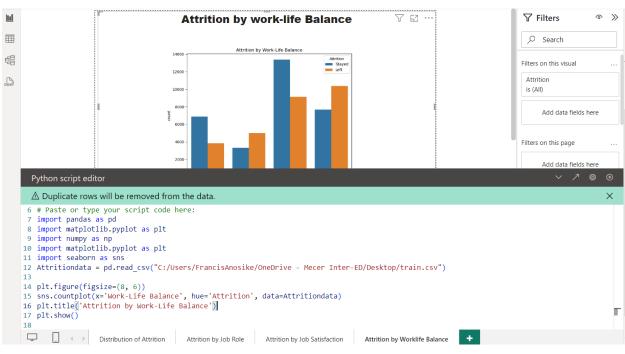


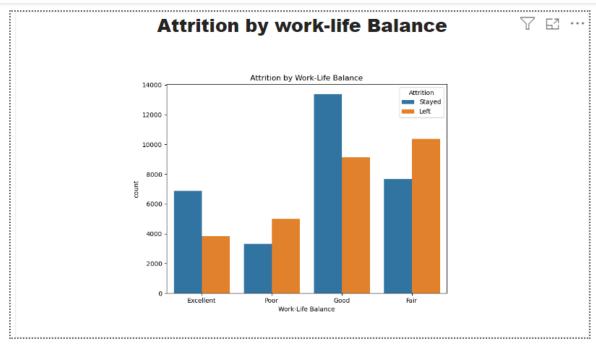


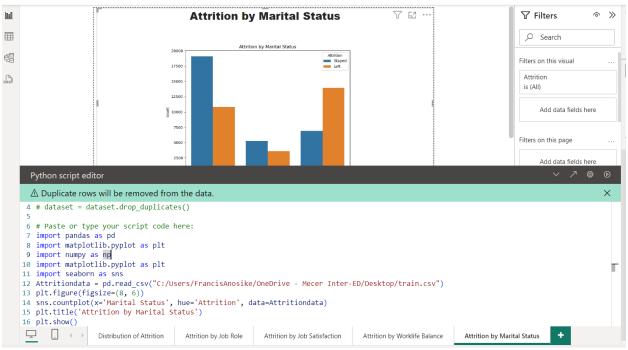


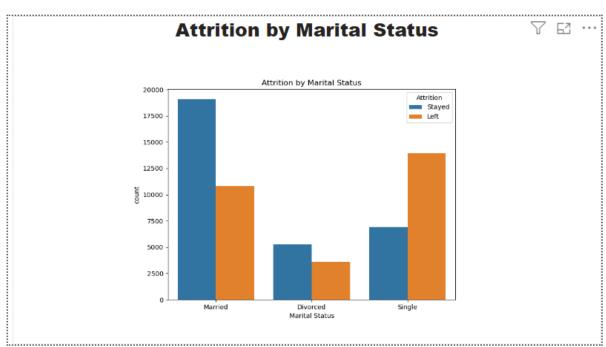












- 3. Deployment
  - 1. Deploy the model in a controlled environment, continuously monitor its performance, and update it as necessary based on new data and changing business needs.
  - 2. Evidence of the above needs to form part of the Documentation in point 2.a above.

# **Deployment of Trained Model**

```
import pandas as pd
from azureml.core import Dataset,Workspace, Datastore
from azureml.train.automl import AutoMLConfig
from azureml.core.experiment import Experiment
from azureml.widgets import RunDetails

from sklearn.model_selection import train_test_split
from sklearn.metrics import mean_squared_error
from math import sqrt

import logging

ws = Workspace.from_config()
ws
```

 $Work space. create (name='attritionwork spaces', subscription\_id='85d7de82-6489-45e9-b561-2db060c6008b', resource\_group='trainrsg')$ 

```
df = pd.read_csv("train.csv",index_col=0)
df
```

Job ction	Performance Rating	Number of Promotions	Overtime	 Number of Dependents	Job Level	Company Size	Company Tenure	Remote Work	Leadership Opportunities	Innovation Opportunities	Company Reputation	Employee Recognition	Attrition
edium	Average	2	No	 0	Mid	Medium	89	No	No	No	Excellent	Medium	Stayed
High	Low	3	No	 3	Mid	Medium	21	No	No	No	Fair	Low	Stayed
High	Low	0	No	 3	Mid	Medium	74	No	No	No	Poor	Low	Stayed
High	High	1	No	 2	Mid	Small	50	Yes	No	No	Good	Medium	Stayed
High	Average	0	Yes	 0	Senior	Medium	68	No	No	No	Fair	Medium	Stayed
High	Average	1	Yes	 2	Senior	Small	35	No	No	Yes	Poor	Very High	Left
High	High	3	No	 0	Senior	Medium	73	No	No	No	Fair	Medium	Left
High	High	0	Yes	 2	Entry	Small	29	No	Yes	No	Good	Medium	Stayed
High	Average	0	No	 0	Entry	Large	9	No	No	No	Good	Low	Left
High	Average	0	Yes	 3	Mid	Medium	81	No	No	No	Good	Low	Stayed

```
ds = Datastore.get_default(ws)
ds
 {
   "name": "workspaceblobstore",
   "container_name": "azureml-blobstore-b3e168bb-5f52-473a-9968-57d9dd91aa53",
"account_name": "attritionworks1751666779",
   "protocol": "https",
   "endpoint": "core.windows.net"
x_train, x_test = train_test_split(df, test_size=0.2, random_state=129)
print(len(x_train),",",len(x_test))
47678 , 11920
dataset = Dataset.Tabular.register_pandas_dataframe(x_train,ds,"train.csv",show_progress=True)
test_dataset = Dataset.Tabular.register_pandas_dataframe(x_test,ds,"train.csv",show_progress=True)
 Validating arguments.
Arguments validated.
 Validating arguments.
Arguments validated.
  Successfully uploaded file to datastore.
  Creating and registering a new dataset.
  Files copied=1, skipped=0, failed=0
  Successfully created and registered a new dataset.
: automl_settings={
      "iteration_timeout_minutes":10,
      "experiment_timeout_minutes":15,
      "enable_early_stopping":True,
      "primary_metric": 'AUC_weighted',
      "featurization": 'auto'
      "verbosity":logging.INFO,
      "n_cross_validations":5
: automl_config = AutoMLConfig(task='classification',
                            debug log='auto errors.log',
                            training_data=dataset,
                            label column name="Attrition",
                            compute_target="francisa1",
                            **automl settings)
experiment = Experiment(ws,"train-experiment")
run = experiment.submit(automl_config, show_output=True)
Submitting remote run.
No run_configuration provided, running on francisa1 with default configuration
Running on remote compute: francisa1
                                                                                             Details Page
                                                                                                                  Docs Page
            Experiment
                                                                             Status
                                                          Type
                                                                                       Link to Azure Machine
                        AutoMI d6h931hc-4851-
                                                                          NotStarted
         train-experiment
                                                         automl
                                                                                                           Link to Documentation
                       4405-a5cb-9b40068f9284
                                                                                            Learning studio
Current status: FeaturesGeneration. Generating features for the dataset.
Current status: DatasetFeaturization. Beginning to fit featurizers and featurize the dataset.
Current status: DatasetCrossValidationSplit. Generating individually featurized CV splits.
Current status: ModelSelection. Beginning model selection.
*************************
DATA GUARDRAILS:
TYPE:
              Class balancing detection
STATUS:
              PASSED
DESCRIPTION:
             Your inputs were analyzed, and all classes are balanced in your training data.
              Learn more about imbalanced data: https://aka.ms/AutomatedMLImbalancedData
```

	DEDEL THE	DUDATTON		DECT	
ITER	PIPELINE	DURATION	METRIC	BEST	
0	MaxAbsScaler LightGBM	0:00:34	0.8469	0.8469	
1	MaxAbsScaler XGBoostClassifier	0:01:05	0.8372	0.8469	
2	MaxAbsScaler ExtremeRandomTrees	0:00:40	0.7904	0.8469	
3	MaxAbsScaler RandomForest	0:00:30	0.8015	0.8469	
4	StandardScalerWrapper LightGBM	0:00:30	0.8100	0.8469	
5	SparseNormalizer XGBoostClassifier	0:00:42	0.8304	0.8469	
6	SparseNormalizer RandomForest	0:01:11	0.8174	0.8469	
7	StandardScalerWrapper XGBoostClassifier	0:00:34	0.8250	0.8469	
8	SparseNormalizer XGBoostClassifier	0:00:54	0.8269	0.8469	
9	MaxAbsScaler RandomForest	0:00:32	0.8009	0.8469	
10	SparseNormalizer LightGBM	0:00:30	0.8045	0.8469	
11	MaxAbsScaler ExtremeRandomTrees	0:01:44	0.8252	0.8469	
12	StandardScalerWrapper XGBoostClassifier	0:00:38	0.8361	0.8469	
13	StandardScalerWrapper ExtremeRandomTrees	0:00:32	0.8152	0.8469	
14	StandardScalerWrapper RandomForest	0:05:48	nan	0.8469	
15		0:00:00	nan	0.8469	
16		0:00:00	nan	0.8469	
17		0:00:00	nan	0.8469	
18		0:00:00	nan	0.8469	
19		0:00:00	nan	0.8469	
20	VotingEnsemble	0:01:05	0.8468	0.8469	
21	StackEnsemble	0:01:19	0.8465	0.8469	

best run, model = run.get output()

RunDetails(run).show()

### AutoML\_d6b931bc-4851-4405-a5cb-9b40068f9284:

Status: Completed



Iteration	Pipeline	*Iteration metric	Best metric	Status	Duration	Started	R
0	MaxAbsScaler, LightGBM	0.84688531	0.84688531	Completed	0:01:01	Jul 28, 2024 10:20 PM	_
20	VotingEnsemble	0.84675047	0.84688531	Completed	0:01:14	Jul 28, 2024 10:37 PM	
21	StackEnsemble	0.84649208	0.84688531	Completed	0:01:27	Jul 28, 2024 10:39 PM	
5	SparseNormalizer, XGBoostClassifier	0.83041092	0.84688531	Completed	0:04:30	Jul 28, 2024 10:24 PM	
8	SparseNormalizer, XGBoostClassifier	0.82688323	0.84688531	Completed	0:07:11	Jul 28, 2024 10:26 PM	-
4							- N

```
model_name = best_run.properties["model_name"]
registered_name = run.register_model(model_name=model_name, description="Attrition Employee", tags=None)
```

```
from azureml.core.model import InferenceConfig
from azureml.core.webservice import AciWebservice, Webservice
from azureml.core.model import Model
from azureml.core.environment import Environment
```

```
best_run.download_file("outputs/scoring_file_v_1_0_0.py","inference/score.py")
```

```
from azureml.automl.core.shared import constants

best_run.download_file(constants.CONDA_ENV_FILE_PATH, "myenv.yml")
env = Environment.from_conda_specification(name="myenv",file_path="myenv.yml")

inference_config = InferenceConfig(entry_script="inference/score.py",environment=env)
aciconfig = AciWebservice.deploy_configuration(cpu_cores=1, memory_gb=1, description="Attrition classification")
service = Model.deploy(ws, "automltrition",[registered_name],inference_config,aciconfig)

service.wait_for_deployment(True)
```

Tips: You can try get\_logs(): https://aka.ms/debugimage#dockerlog or local deployment: https://aka.ms/debugimage#debug-locally to debug if deployment takes longer than 10 minutes.

```
from azureml.automl.core.shared import constants
best run.download file(constants.CONDA ENV FILE PATH, "myenv.vml")
env = Environment.from_conda_specification(name="myenv",file_path="myenv.yml")
inference_config = InferenceConfig(entry_script="inference/score.py",environment=env)
aciconfig = AciWebservice.deploy configuration(cpu cores=1, memory gb=1, description="Attrition classification")
service = Model.deploy(ws, "automltrition",[registered_name],inference_config,aciconfig)
service.wait_for_deployment(True)
Tips: You can try get_logs(): https://aka.ms/debugimage#dockerlog or local deployment: https://aka.ms/debugimage#debug-locally
to debug if deployment takes longer than 10 minutes.
2024-07-29 08:58:31+00:00 Creating Container Registry if not exists..
2024-07-29 09:08:32+00:00 Registering the environment.
2024-07-29 09:08:34+00:00 Building image..
2024-07-29 09:22:07+00:00 Generating deployment configuration.
2024-07-29 09:22:08+00:00 Submitting deployment to compute..
2024-07-29 09:22:13+00:00 Checking the status of deployment automltrition..
2024-07-29 09:24:08+00:00 Checking the status of inference endpoint automltrition.
Succeeded
ACI service creation operation finished, operation "Succeeded"
1.0 200 43/0 - 00-HCCP-CIICHC/I.I
2024-07-29 09:31:58,002 W [130] azmlinfsrv - x-ms-request-id header has been deprecated and will be removed from
future versions of the server. Please use x-ms-client-request-id.
2024-07-29 09:31:58,003 I [130] gunicorn.access - 127.0.0.1 - - [29/Jul/2024:09:31:58 +0000] "GET / HTTP/1.0" 200 7
"-" "Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/28.0.1500.29 Safari/537.36 OPR/15.0.
1147.24 (Edition Next)"
2024-07-29 09:33:16,253 W [130] azmlinfsrv - x-ms-request-id header has been deprecated and will be removed from
future versions of the server. Please use x-ms-client-request-id.
2024-07-29 09:33:16,254 I [130] azmlinfsrv - GET /score 400 0.484ms 64
2024-07-29 09:33:16,254 I [130] gunicorn.access - 127.0.0.1 - - [29/Jul/2024:09:33:16 +0000] "GET /score HTTP/1.0"
400 64 "-" "PostmanRuntime/7.40.0"
2024-07-29 09:33:38,786 W [130] azmlinfsrv - x-ms-request-id header has been deprecated and will be removed from
future versions of the server. Please use x-ms-client-request-id.
2024-07-29 09:33:38,786 I [130] azmlinfsrv - POST /score 415 0.321ms 58
2024-07-29 09:33:38,787 I [130] gunicorn.access - 127.0.0.1 - - [29/Jul/2024:09:33:38 +0000] "POST /score HTTP/1.0"
415 58 "-" "PostmanRuntime/7.40.0"
 Details
           Test
                 Consume
                                Logs
    http://bba6b5ab-7969-42c3-848f-72f69800a406.eastus.azur...
    Key-based authentication enabled
    false
    Swagger URI
    http://bba6b5ab-7969-42c3-848f-
    72f69800a406.eastus.azurecontainer.io/swagger.json
    CPU
    1
    Memory
    1 GB
    Application Insights enabled
    false
```