

Documentation

Home Page

Interactive Machine Learning Visualization Tool

Home

Upload Data :

Upload Data

☐ Test File ? Upload Test Data : Upload Test Data

View Documentation

Download Documentation

No file uploaded yet

☒ Has Target

Data Stats

Number of NaN values: 0

Number of missing values: 0

Number of classes: 0

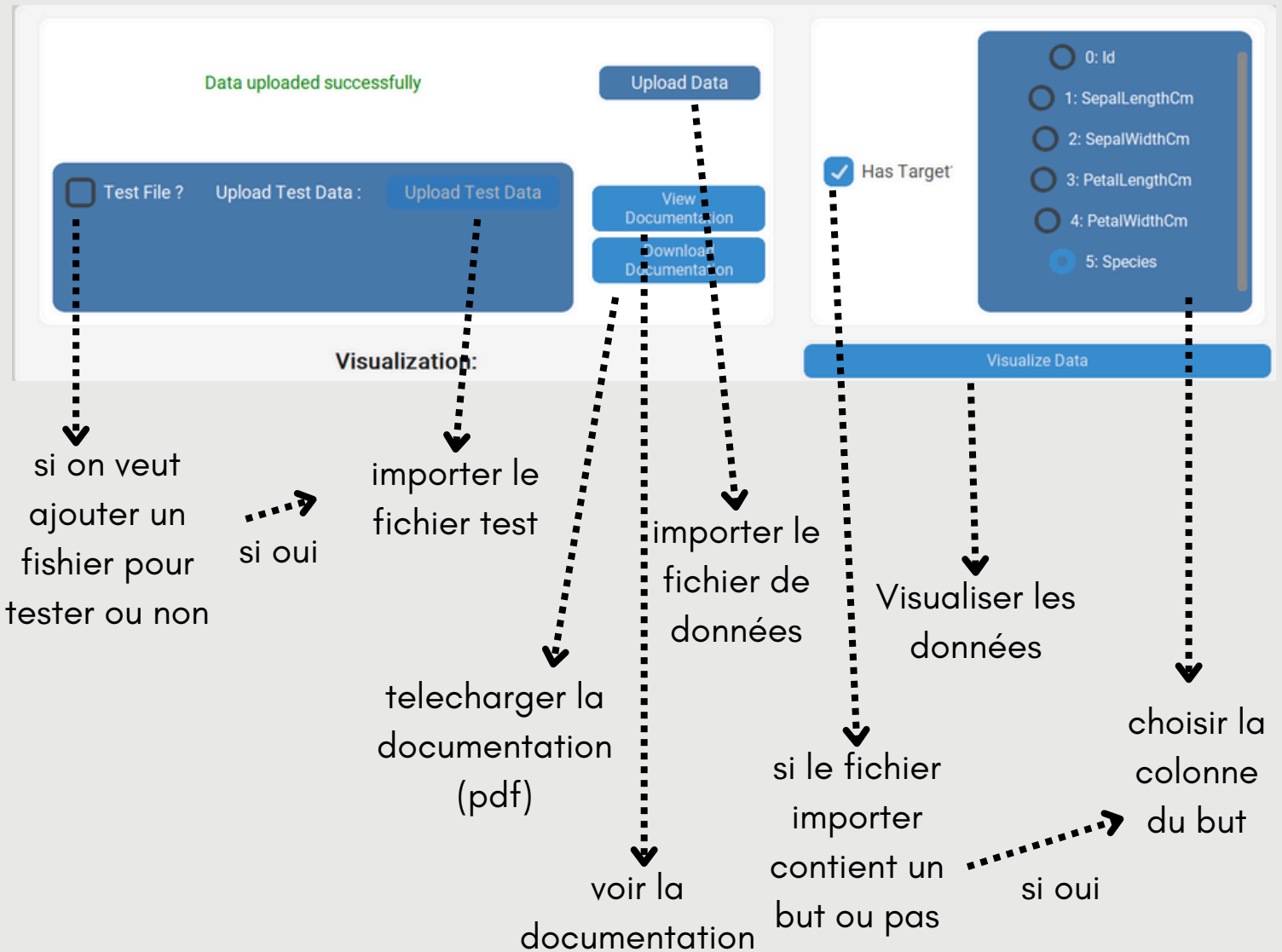
Data shape: (0,0)

Data balanced: None

Number of duplicate columns: 0

Preprocessing Options

Home Page (First Section)



Home Page (info Generale et pre- process Section)

Data Stats

Number of NaN values:	0
Number of missing values:	0
Number of classes:	3
Data shape:	149 6
Data balanced:	Yes
Number of duplicate columns:	0
Number of categorical columns:	1
Number of numerical columns:	5

Preprocessing Options

Clean Data

Scale Data

Label Encode

Handle Dates

Reduce Features

Balance Classes

Handle Outliers

Transform Skewed Features

Standardize Data Types

Binarize Target

Apply Feature Augmentation

Auto Pre-Processing

Reset

Export Processed Data

des info
generale sur
le jeux de
données

Les operation de
avant-traitement
des données possible
pour ce jeux de
données

Exportation
des données
traité

Home Page (Training and evaluation Section)

S'il sagit
d'une
classification

Data Training

Random Forest

Decision Tree

Logistic Regression

KNN

SVM

Naive Bayes

XGBoost

lightgbm

clustering

Linear Regression

SVR

Auto Model Selection

Reset

Export

Export Result

Classification Report

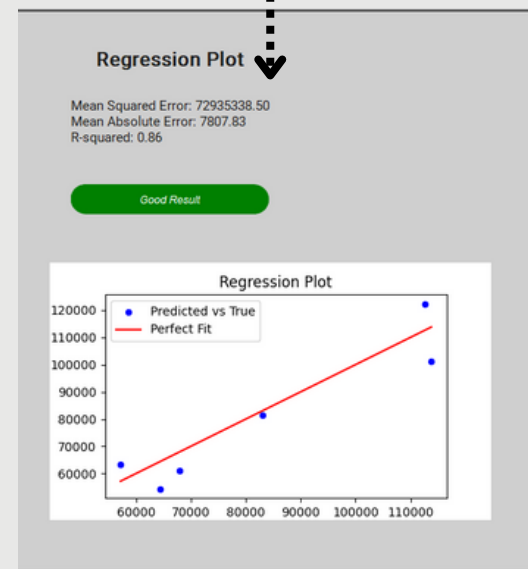
Class	precision	recall	f1-score	support
Iris-setosa	1.00	1.00	1.00	12.00
Iris-versicolor	0.88	0.78	0.82	9.00
Iris-virginica	0.80	0.89	0.84	9.00
accuracy	0.90	0.90	0.90	0.90
macro avg	0.89	0.89	0.89	30.00

Exportation
des resulatat

Les opperation
d'entrainement des
données possible
pour ce jeux de
données

Si il sagit d'un
clusturing

Si il sagit
d'une
regression



Home Page (Prediction Section)

Make a New Prediction

Gender

Female

Age

Work Pressure

Job Satisfaction

Sleep Duration

7-8 hours

Dietary Habits

Moderate

Have you ever had suicidal thoughts ?

No

Work Hours

Financial Stress

Family History of Mental Illness

No

Cluster Predicted :

Make a New Prediction

SepalLengthCm

12

SepalWidthCm

3

PetalLengthCm

4

PetalWidthCm

5

Predict class :

Prediction: Iris-versicolor

pridicter une
nouvelle
donnée

Resultat

Visualisation Page (avant entraînement)

Interactive Machine Learning Visualization Tool

Visualization

Pre-Training Post-Training

[Return to Home](#)

Data Exploration and Preprocessing

Table

Shows the distribution of a single feature.

Available

Histogram

Shows the frequency distribution of numerical data.

Available

Scatter Plot

Visualizes the relationship between two numerical variables.

Available

Box Plot

Shows the distribution of numerical data using medians and quartiles.

Available

Heat Map

Represents data in a matrix format with colors indicating values.

Available

Pie Chart

Visualizes proportions of a whole as slices of a pie.

Available

button pour retourner au home page

type de Graph

status de graph (available , not available)

ongles pour visualisation du avant-entraînement et visualisation de après-entraînement

Visualisation Page (après entraînement)

Pre-Training Post-Training

[Return to Home](#)

Model Performance Visualization (available after training)



Line Graphs

Shows the distribution of a single feature or trends over time.

Model Not Available



Confusion Matrix

Visualizes the performance of classification models.

Model Not Available



ROC Curves

Evaluates the true positive rate against the false positive rate for classifiers.

Model Not Available



Precision Recall Curve

Visualizes the tradeoff between precision and recall for models.

Model Not Available



Bar Graphs

Compares different categories or groups.

Available



Dendrograms

Visualizes hierarchical clustering results.

Available



Cluster Scatter Plots

Shows data points grouped into clusters.

Available

Clustering and Feature Analysis (available after training)

Visualisation Page (Quelque type de graph avant-entraînement)

Table

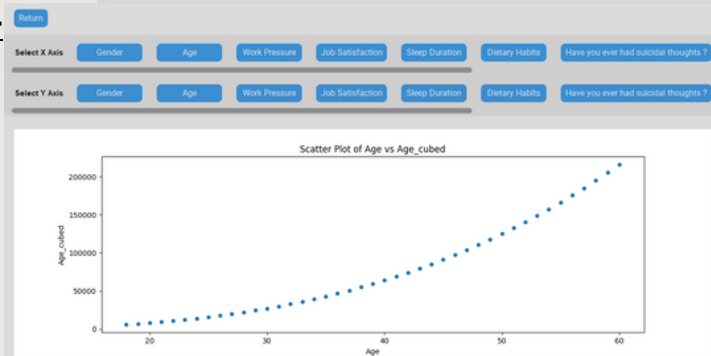
Return

original
 original
 preprocessed

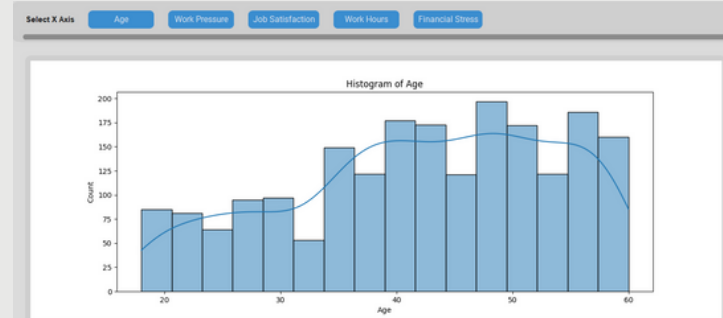
☒ Gender ☒ Age ☒ Work Pressure ☒ Job Satisfaction ☒ Sleep Duration ☒ Dietary Habits ☒ Have you ever had suicidal thoughts?

Gender	Age	Work Pressure	Job Satisfaction	Sleep Duration	Dietary Habits	Have you ever had suicidal thoughts?	Work Hours	Financial Stress	Family History of Mental Illness	Depression
Female	37	2.0	4.0	7-8 hours	Moderate	No	6	2	No	No
Male	60	4.0	3.0	5-6 hours	Unhealthy	Yes	0	4	Yes	No
Female	42	2.0	3.0	5-6 hours	Moderate	No	0	2	No	No
Female	44	3.0	5.0	7-8 hours	Healthy	Yes	1	2	Yes	No
Male	48	4.0	3.0	7-8 hours	Moderate	Yes	6	5	Yes	No
Female	60	1.0	4.0	7-8 hours	Unhealthy	Yes	12	3	Yes	No
Female	30	4.0	2.0	More than 8 hours	Healthy	No	3	1	No	No
Male	30	1.0	2.0	More than 8 hours	Unhealthy	Yes	6	1	No	No
Male	56	1.0	2.0	More than 8 hours	Moderate	Yes	11	5	Yes	No
Female	35	3.0	4.0	Less than 5 hours	Moderate	No	6	4	Yes	No
Male	21	2.0	5.0	Less than 5 hours	Moderate	No	6	1	Yes	No
Male	57	1.0	2.0	Less than 5 hours	Healthy	No	10	1	No	No
Male	54	3.0	2.0	7-8 hours	Healthy	No	11	4	No	No
Male	51	2.0	3.0	Less than 5 hours	Healthy	No	8	5	No	No
Male	18	3.0	1.0	More than 8 hours	Unhealthy	Yes	7	3	No	Yes
Female	51	3.0	3.0	Less than 5 hours	Unhealthy	No	9	1	No	No
Male	31	3.0	4.0	7-8 hours	Healthy	No	9	5	No	No
Female	60	4.0	1.0	Less than 5 hours	Unhealthy	No	10	5	Yes	No
Male	58	1.0	2.0	More than 8 hours	Healthy	No	8	4	No	No

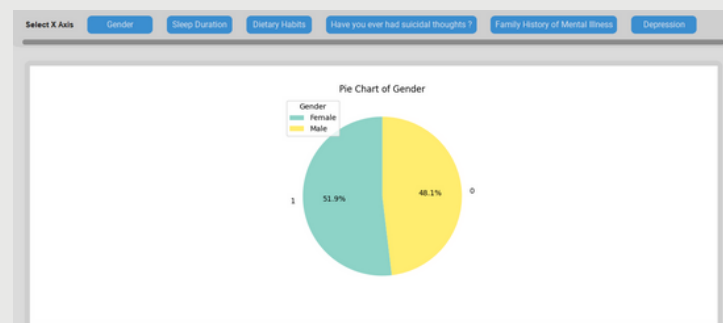
Scatter Plot



Histogramme



Box Plot



Plot Pie

Visualisation Page (Graph Tuto)

[Return](#)

Select X Axis

Gender

Age

Work Pressure

Job Satisfaction

Sleep Duration

Dietary Habits

Have you ever had suicidal thoughts ?

Select Y Axis

Gender

Age

Work Pressure

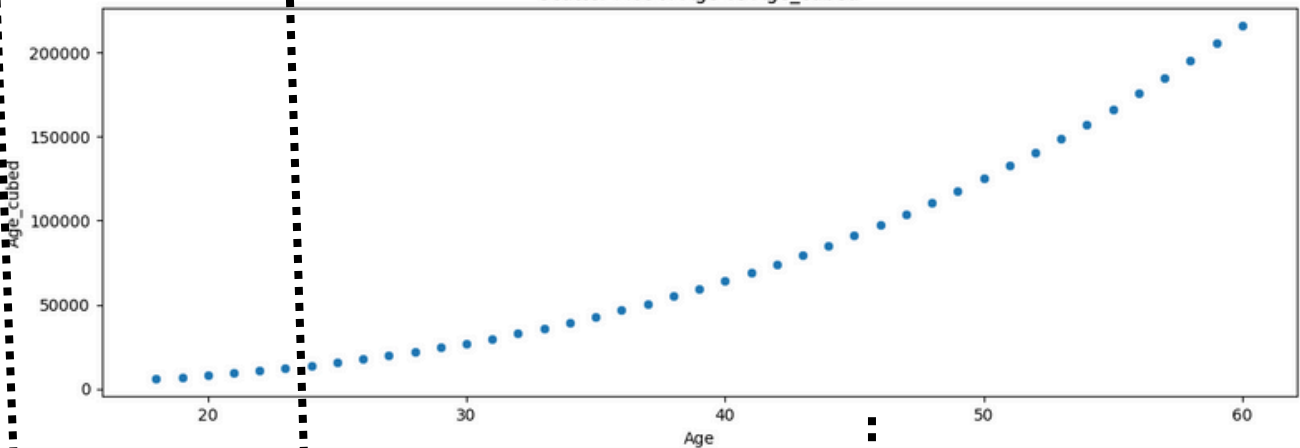
Job Satisfaction

Sleep Duration

Dietary Habits

Have you ever had suicidal thoughts ?

Scatter Plot of Age vs Age_cubed



sélectionner
le colonne a
afficher en
Abscisse X

sélectionner
le colonne a
afficher en
Ordonnée Y

affichage du
Graph