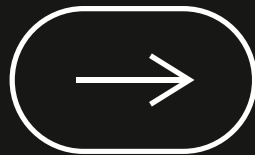
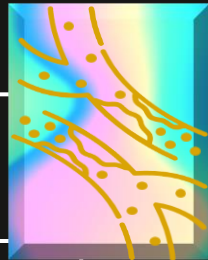


* Thorreznou Library



For Python Programming Language





Objetivo libreria

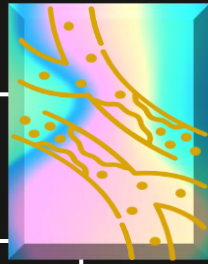
Proporcionar a cualquier usuario de Python, una librería con funciones que faciliten su trabajo de programación, reduciendo la cantidad de código que requieren para obtener unos resultados excelentes.

La biblioteca contiene funciones agrupadas en:

- Exploratory Data Analysis
- Vizualization
- Feature Engineering & Machine Learning models



Miguel Batalla
Manager Proyecto



Index



01

Exploratory
Data
Analysis

02

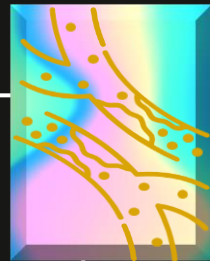
VisualizeME

03

Machine
Learning

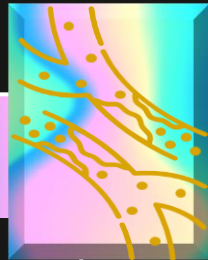
04

Production



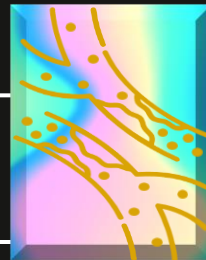
Exploratory Data Analysis

Into the wild!



Objetivo de Exploratory Data Analysis

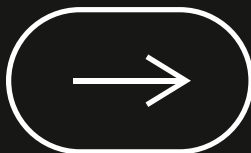
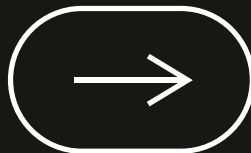
Nuestro objetivo es automatizar y reducir las acciones repetitivas y tediosas que siempre ocurren durante un EDA



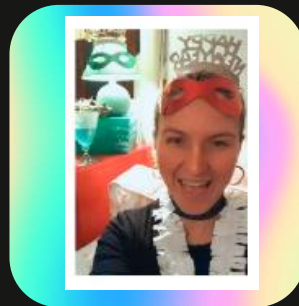
Equipo EDA



David Guix
Manager EDA



Jorge
Arranz



Isabella



*Funciones Img



Funcion 1:
Resize Image



Funcion 2:
Reduce Image

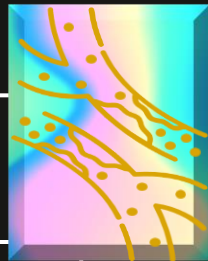


Funcioin 3:
Process Color



Funcion 4:
Reduce Color Palettte





Funciones Imágenes

Funciones:

- **Resize Image**

Input: **directory path**

Output: **Resized images list**

- **Reduce Image**

Input: **Image, height**

Output: **The reduced image**

- **Process Color**

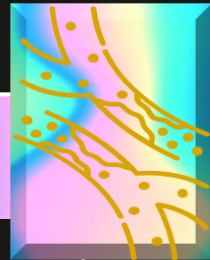
Input: **cannel value, bins**

Output: **Processed value**

- **Reduce Color Palette**

Input: **Image, bins**

Output: **Image**



* Funciones Datos



Funcion 1:
Math Expectation



Funcion 2:
DF Overview



Funcion 3:
Outlier Removal



Funcion 4:
Datetime

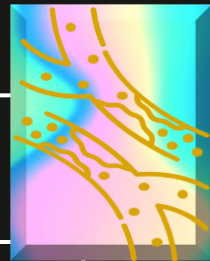


Funcion 5:
Missing Data



Funcion 6:
Standarize Numbers





Funciones Datos

Funciones:

- **Math Expectation**

Input: **df, columns**

Output: **df with new ME column**

- **DF Overview**

Input: **df**

Output: **df with overview**

- **Outlier Removal**

Input: **df, columns**

Output: **df**

- **Datetime**

Input: **df, column**

Output: **df**

- **Coordinates**

Input: **lat, long**

Output: **lat, long**

- **Missing data**

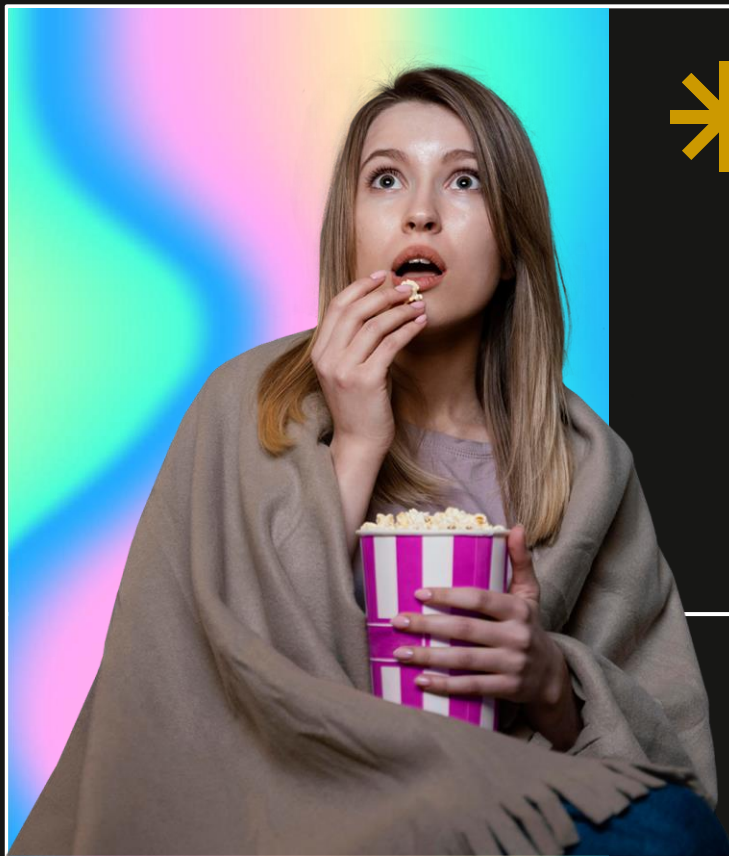
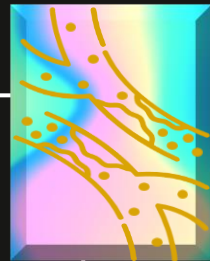
Input: **df, columns**

Output: **df**

- **Standarize numbers**

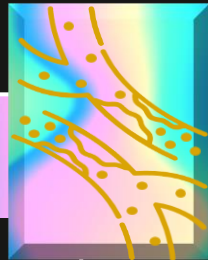
Input: **list of numbers to standarize**

Output: **The reduced image**



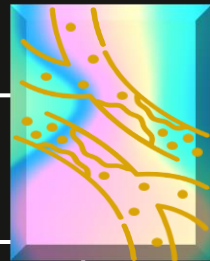
VisualizeME

*Your favorite
graphics!*



Objetivo de Visualización

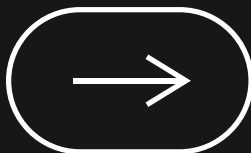
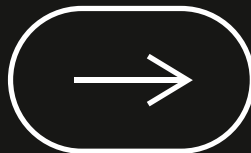
Obtener gráficos complejos de forma sencilla,
incluyendo tablas con métricas descriptivas que
complementen lo que visualmente se ve



Equipo Visualización



Marta Buesa
Manager
Visualization



**Natalia
Fernández**



**Oscar
Olaechea**



Funciones



1. VisualizeME palettes and colors

When working on:

Exploratory Data Analysis



2. VisualizeME and describe Violinbox



3. VisualizeME and describe barplot



4. VisualizeME Figure Words



5. VisualizeME Bagel look top



6. VisualizeME Select graph

Feature Engineering & development of Machine Learning Models



7. VisualizeME and describe Spidey

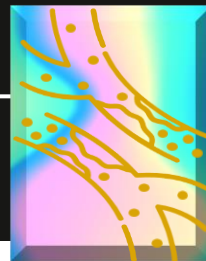


8. VisualizeME c Matrix



9. VisualizeME scores models





1. VisualizeME palettes and colors

Parámetros entrada (2):

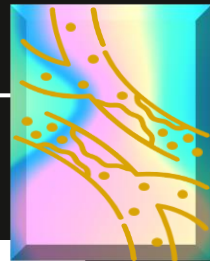
- `selection = 'palettes'`
- `quantity_colors= 8`

Return (1):

- Image palettes Seaborn /
Image colors Seaborn



aliceblue	antiquewhite	aqua	aquamarine
azure	beige	bisque	black
blanchedalmond	blue	blueviolet	brown
burlywood	cadetblue	chartreuse	chocolate
coral	cornflowerblue	comsilk	crimson
cyan	darkblue	darkcyan	darkgoldenrod
darkgray	darkgreen	darkgrey	darkkhaki
darkmagenta	darkolivegreen	darkorange	darkorchid
darkred	darksalmon	darkseagreen	darkslateblue
darkslategray	darkslategrey	darkturquoise	darkviolet
deeppink	deepskyblue	dimgray	dimgrey
dodgerblue	firebrick	floralwhite	forestgreen
fuchsia	gainsboro	ghostwhite	gold
goldenrod	gray	green	greenyellow
grey	honeydew	hotpink	indianred



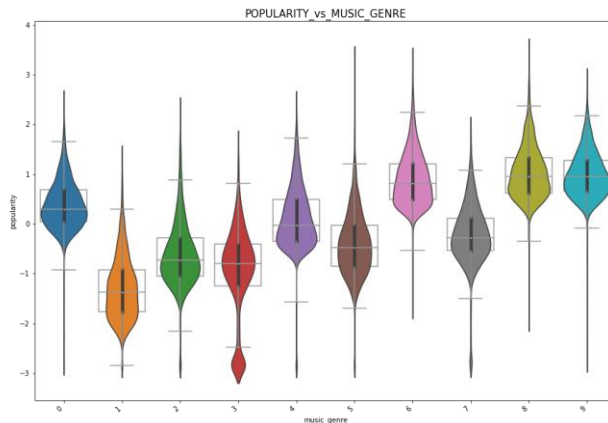
2. VisualizeME and describe Violinbox

Parámetros entrada (5):

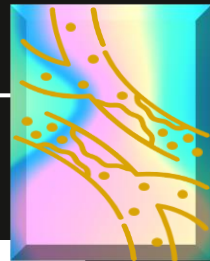
- dataframe
- categ_var
- numeric_var
- palette= 'tab10'
- save= True

Return (2):

- Graph Violin & Boxplot
- Table with metrics



	0	1	2	3	4	5	6	7	8	9
Metrics										
Upper limit	2.82	1.21	1.85	1.72	2.63	2.11	3.34	2.24	3.47	3.40
Q3	0.69	-0.92	-0.28	-0.41	0.50	-0.02	1.21	0.11	1.34	1.27
Median	0.30	-1.38	-0.73	-0.79	-0.02	-0.47	0.82	-0.28	0.95	0.95
Q1	0.04	-1.76	-1.05	-1.25	-0.34	-0.86	0.50	-0.54	0.63	0.66
Lower limit	-2.09	-3.89	-3.18	-3.38	-2.47	-2.99	-1.63	-2.67	-1.50	-1.47



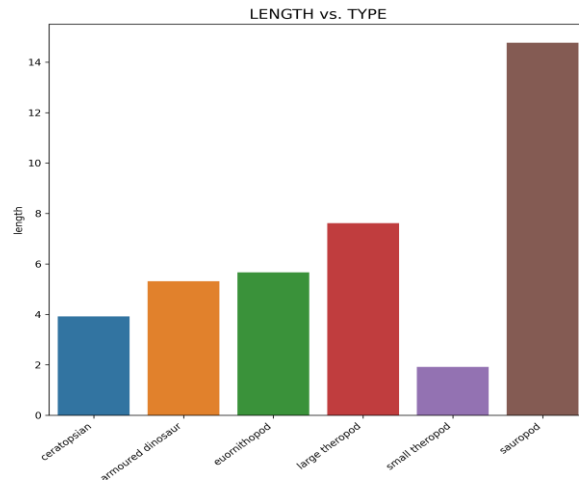
3. VisualizeME and describe barplot

Parámetros entrada (5):

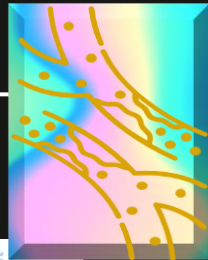
- dataframe
- categ_var
- numeric_var
- palette= 'tab10'
- save= True

Return (2):

- Graph Barplot
- Table with metrics



	ceratopsian	armoured dinosaur	euornithopod	large theropod	small theropod	sauropod
Metrics						
Number of records	28	32	59	60	61	69
Mean length	3.92	5.31	5.67	7.61	1.92	14.77
Standard Deviation length	2.61	1.92	3.38	3.16	1.04	7.76



4. VisualizeME Figure Words

Parámetros entrada (9):

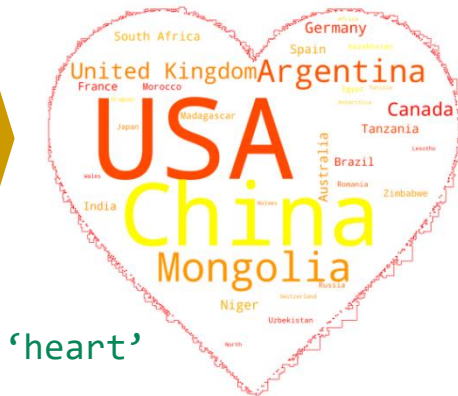
- Dataframe
- categ_var
- shape= 'seahorse'
- cmap= 'tab10'
- contour= 'steelblue'
- back_color = 'white'
- height= 18
- width = 20
- save= True

Return (1):

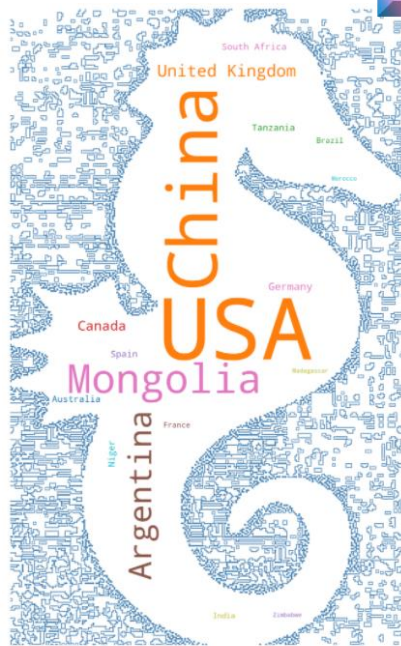
- Graph Figure Words

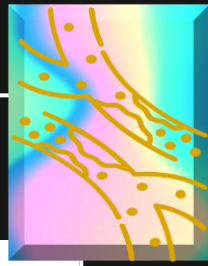
Figure words disponibles:

'seahorse'



'heart'

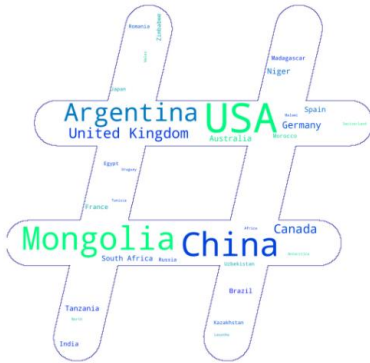




4. VisualizeME Figure Words

Figure words disponibles:

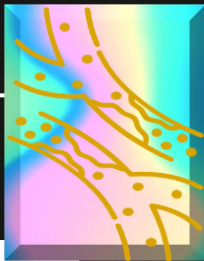
‘hashtag’



‘dino’

‘star’





5. VisualizeME Bagel look top

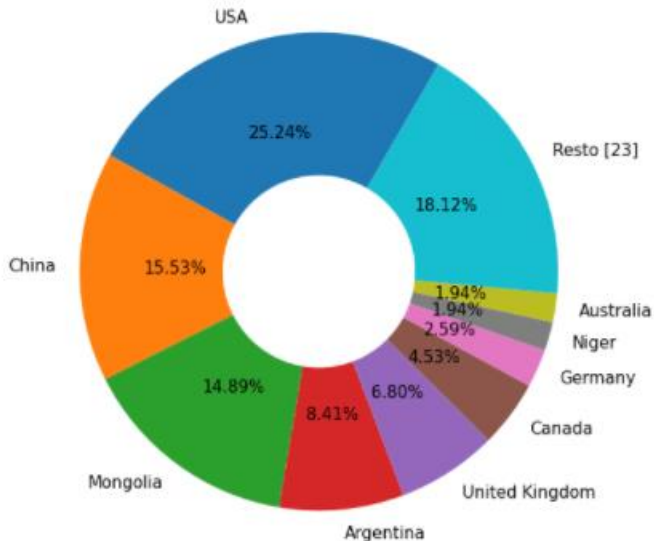
Parámetros entrada (6):

- Dataframe
- categ_var
- top=0
- cmap = 'tab10'
- circle=True
- save=True

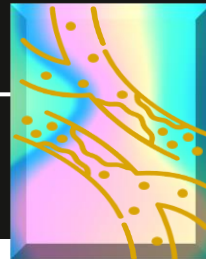
Return (2):

- Graph Bagel
- Table with metrics

DISTRIBUCIÓN DE LIVED_IN



	lived_in	Pesos(%)
USA	78	25.24%
China	48	15.53%
Mongolia	46	14.89%
Argentina	26	8.41%
United Kingdom	21	6.8%
Canada	14	4.53%
Germany	8	2.59%
Niger	6	1.94%
Australia	6	1.94%
Tanzania	5	1.62%
South Africa	5	1.62%
Spain	5	1.62%
India	4	1.29%
France	4	1.29%
Brazil	4	1.29%
Madagascar	3	0.97%
Zimbabwe	3	0.97%
Morocco	3	0.97%
Kazakhstan	2	0.65%
Japan	2	0.65%
Russia	2	0.65%
Romania	2	0.65%
Egypt	2	0.65%
Uzbekistan	2	0.65%
Antarctica	1	0.32%
North Africa	1	0.32%



5. VisualizeME select graph

Obtener tu gráfico a la carta según tu necesidad.

PASO 1: ¿Cuántas variables quieres utilizar en tu gráfico? (1, 2 o 3)

PASO 2: ¿De qué tipo son tus variables? (categóricas o numéricas)

PASO 3: ¿Qué gráfico prefieres utilizar? (Ejemplos)

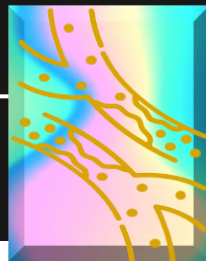


Opciones gráficos:

- COUNTPLOT
- PIE
- BOXPLOT
- VIOLINPLOT
- BARPLOT
- SCATTERPLOT
- LINE PLOT
- HISTPLOT
- DENSIDAD

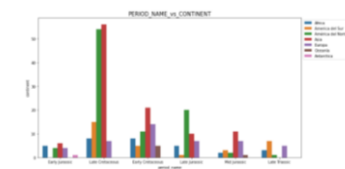
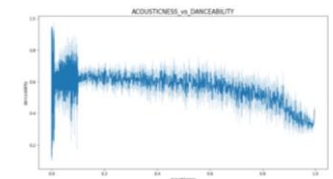
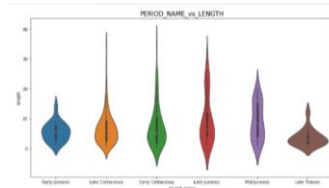
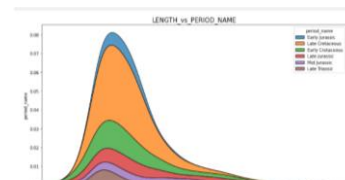
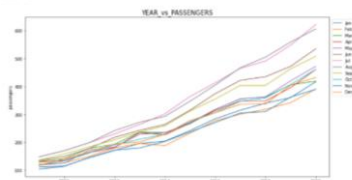
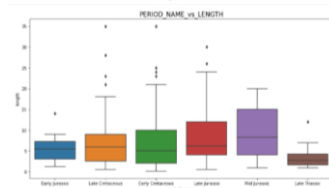
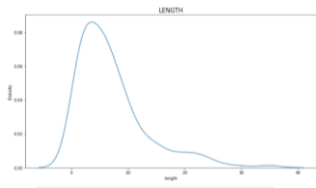
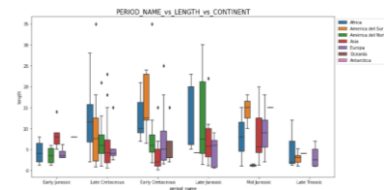
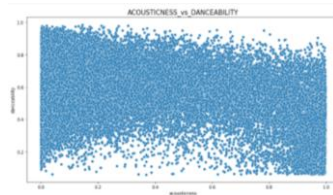
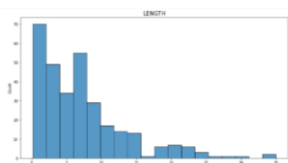
Return (1):

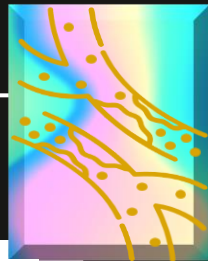
- Función que debe llamar para generar su gráfico



5. VisualizeME select graph

Ejemplos gráficos obtenidos:





7. VisualizeME and describe Spidey

Esta función se utilizará con los datos escalados

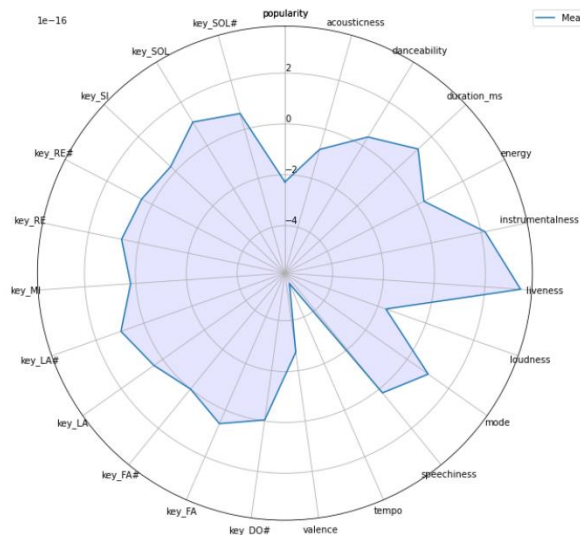
Parámetros entrada (6):

- Dataframe
- save= True

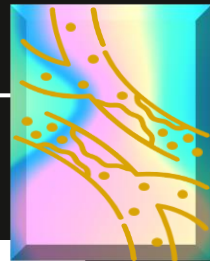
Return (2):

- Polar graph
- Table with means of variables

SPIDEY CHART TO COMPARE MEANS OF SCALED NUMERIC VARIABLES



	Means
popularity	-2.282667e-16
acousticness	-8.157494e-17
danceability	3.989301e-17
duration_ms	1.284447e-16
energy	2.772832e-17
instrumentalness	2.153865e-16
liveness	3.406111e-16
loudness	-1.663699e-16
mode	1.016109e-16
speechiness	1.985706e-17
tempo	-5.431173e-16
valence	-2.736159e-16
key_DO#	-4.382864e-18
key_FA	5.814003e-17
key_FA#	3.577848e-19
key_LA	4.239750e-17
key_LA#	9.624411e-17
key_MI	2.003595e-17
key_RE	6.797911e-17
key_RE#	4.651202e-17
key_SI	2.683386e-17
key_SOL	1.087666e-16
key_SOL#	6.511683e-17



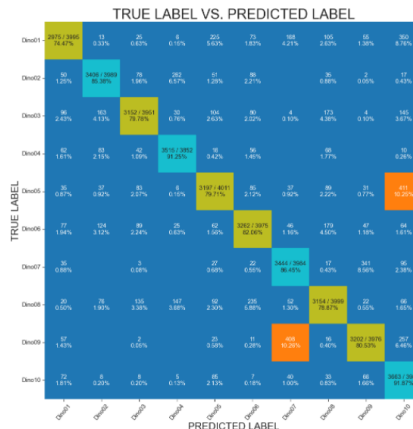
8. VisualizeME c Matrix

Parámetros entrada (9):

- `y_true`,
- `y_pred`,
- `title=''`,
- `categories=[]`,
- `rotate=False`,
- `cmap=''`,
- `cbar=True`,
- `metrics=True`,
- `save=True`

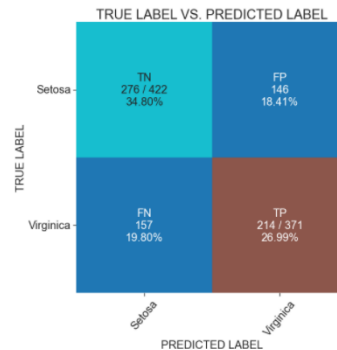
Return (2):

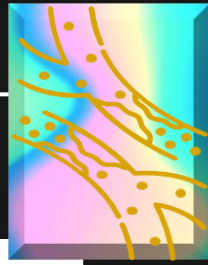
- Confusion Matrix
- Table with scores



	PRECISION	RECALL	F1-SCORE	SUPPORT
0	0.86	0.74	0.80	3995
1	0.87	0.85	0.86	3989
2	0.87	0.80	0.83	3951
3	0.88	0.91	0.90	3852
4	0.82	0.80	0.81	4011
5	0.83	0.82	0.83	3975
6	0.82	0.86	0.84	3984
7	0.82	0.79	0.80	3999
8	0.85	0.81	0.83	3976
ACCURACY	-	-	0.83	39719
MACRO AVG.	0.83	0.83	0.83	39719
WEIGHTED AVG.	0.83	0.83	0.83	39719

	TRUE LABEL VS. PREDICTED LABEL
Accuracy: (TP + TN) / TOTAL	0.617906835
Precision: TP / (TP + FP)	0.594444444
Recall: TP / (TP + FN)	0.576819407
F1: harmonic mean (accuracy, recall)	0.585499316
ROC AUC	0.6154239215





9. VisualizeME scores models

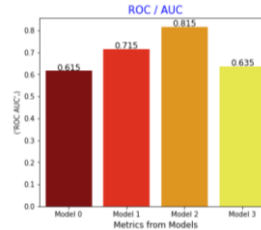
Parámetros entrada (5):

- `y_true`
- `Models` (dictionary format)
- `bin_multi_classifier=True`
- `pallette='tab10'`
- `save=True`

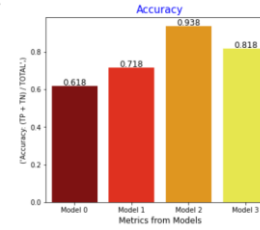
Return (1):

- `Graphs barplot`
comparing scores
from different models

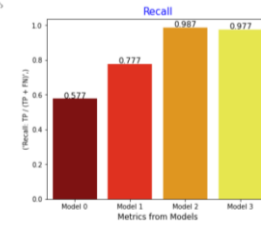
The best ROC / AUC value is 0.8154239215 from Model: Model 1



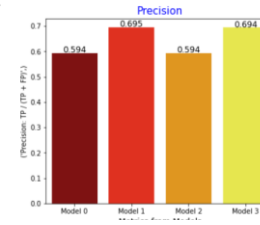
The best Accuracy value is 0.9379066835 from Model: 2



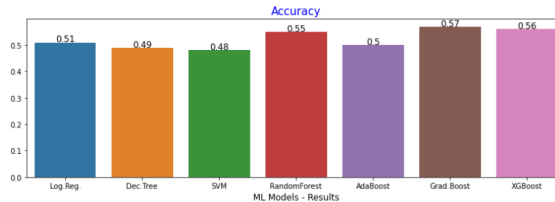
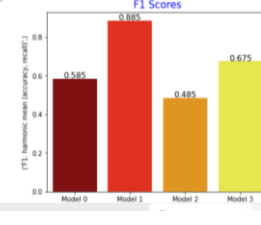
The best Recall value is 0.986810407 from Model: Model 1



The best Precision value is 0.6954444444 from Model: Model 1



The best F1 Score value is 0.885499316 from Model: Model 1

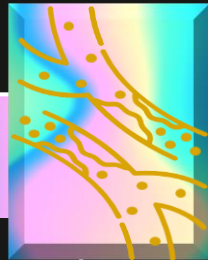




Machine Learning

*Where the magic
Is made*





Objetivo de Machine Learning

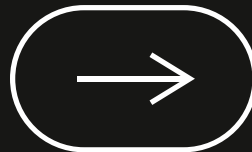
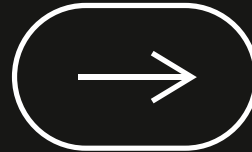
El objetivo principal de la parte de Machine Learning es acelerar la toma de decisiones sobre el modelo a implementar



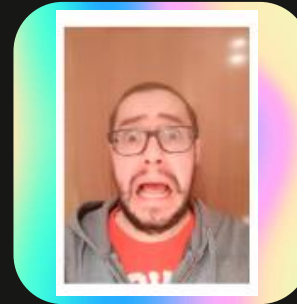
* Equipo Machine Learning



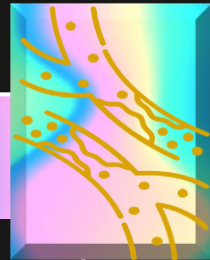
Daniel Vivas
Manager ML



**Ana
Genua**



**Fernando
Bielza**



* Funciones



1. PREPROCESSING:

- División train/test
- Preparación dataset



2. REGRESORES:

- Regresión lineal
- Regresión polinómica



3. CLASIFICADORES:

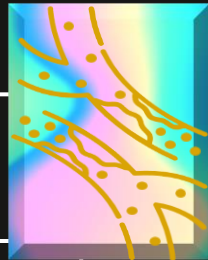
- Regresión Logística
- RandomForest
- SVC
- KNN



4. SCORING:

- Métricas regresores
- Métricas clasificadores





1. PREPARACIÓN DATOS

Funciones:

- Divide

Input: `dataset`

Output: `X, y`

- `prepare_data`

Input: `dataset`

Output: `list of train/test sets`

División X y

Balanceado

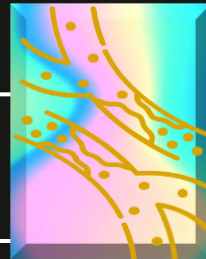
RandomUnderSampler / SMOTE

División train/test

Estandarización

StandardScaler / MinMaxScaler





2. REGRESORES

Funciones:

- Regresión lineal
- Regresión polinómica

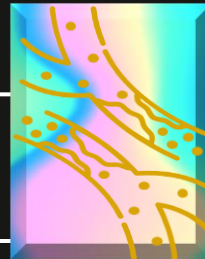
```
(LinearRegression(),  
LINEARREGRESSION (test data) LINREG-ELASTICNET (test data)  
Score (R2 coef.) 0.8451346685 0.3519941476  
MAE 82607.7586206897 178295.4869109947  
MAPE 1.1955603448 1.6743753560  
MSE 7840057409.3341283798 32805296277.8287010193  
RMSE 88544.0986702904 181122.3240736180)
```

Input: `X_train`, `X_test`, `y_train`, `y_test`,
`regular_type`

Output: `model`, `metrics`

Regularización





3. CLASIFICADORES

Funciones:

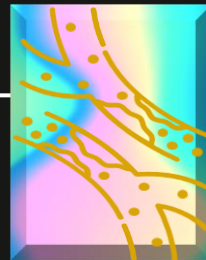
- Regresión logística
- RandomForest
- SVC
- KNN

Input: X_{train} , X_{test} , y_{train} , y_{test}

Output: $model$, $metrics$, $grid$


```
Fitting 10 folds for each of 24 candidates, totalling 240 fits
(GridSearchCV(cv=10, estimator=LogisticRegression(), n_jobs=-1,
               param_grid={'C': array([0.1, 0.6, 1.1, 1.6, 2.1, 2.6, 3.1, 3.6]),
                           'penalty': ['l2'],
                           'solver': ['liblinear', 'newton-cg', 'lbfgs']},
               scoring='accuracy', verbose=1),
 LOGISTICREGRESSION (test data)
Accuracy (TP + TN/TT)           0.9600000000
Precision (TP/TP + FP)         0.9602742212
Recall (TP/TP + FN)            0.9600000000
F1 (har_mean Ac, Re)           0.9604040404,
GridSearchCV(cv=10, estimator=LogisticRegression(), n_jobs=-1,
               param_grid={'C': array([0.1, 0.6, 1.1, 1.6, 2.1, 2.6, 3.1, 3.6]),
                           'penalty': ['l2'],
                           'solver': ['liblinear', 'newton-cg', 'lbfgs']},
               scoring='accuracy', verbose=1))
```





Producción

Make it come true!



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[Log In](#)
[Register](#)

Thorreznou 0.1.4

pip install Thorreznou
Released: about 1 hour ago

Thorreznou.

Navigation

- Project description
- Release history
- Download files

Project links

- Homepage

Statistics

GitHub statistics:

- Stars: 1
- Forks: 3
- Open issues/PRs: 1

View statistics for this project via [Libraries.io](#) or by using [our public dataset on Google BigQuery](#)

Project description

Thorreznou Library

Bootcamp Data Science | Full Time Class - November 2021

Library for machine learning projects with Python. The aim is to speed up the work process to the repetitive tasks that the data scientist usually carries out. The library has three parts: EDA, ML and VIZ. Each part focuses on a field of work, exploratory data analysis, machine learning, visualisation.

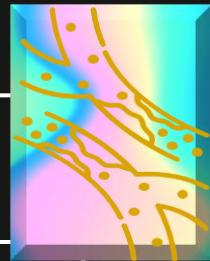
Visualization

- visualizeME_palettes_or_colors
- visualizeME_and_describe_violinbox
- visualizeME_and_describe_barplot
- visualizeME_FigureWords
- visualizeME_bagel_look_top
- visualizeME_and_describe_Spidey
- visualizeME_c_matrix
- visualizeME_scores_models



Objetivo de Producción

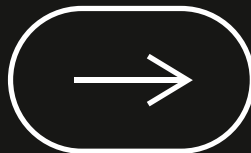
Creación /instalación del package



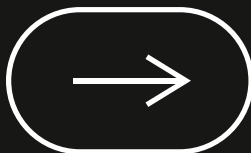
Equipo Producción



Javier Mesonero
Manager
Producción




**Federico
Ruiz**



**Erik
Urresta**



1. Crear una cuenta Gmail



Crea una cuenta de Google

Nombre Apellidos

Nombre de usuario

Puedes utilizar letras, números y puntos


[Prefiero usar mi dirección de correo electrónico actual](#)

Contraseña Confirmación

Utiliza ocho caracteres como mínimo con una combinación de letras, números y símbolos

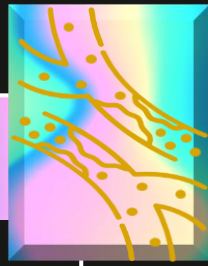
☒ Mostrar contraseña

[Prefiero iniciar sesión](#)

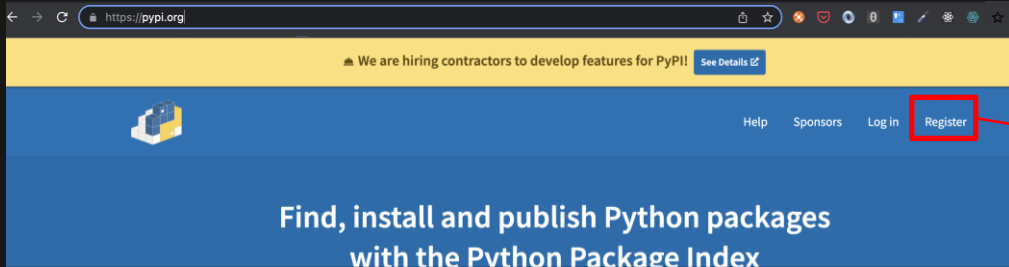


Una cuenta. Todo Google a tu disposición.





2. Crear una cuenta <https://pypi.org/>



Name

Email address (required)

Username (required)

❗ The username is invalid. Usernames must be composed of letters, numbers, dots, hyphens and underscores. And must also start and finish with a letter or number. Choose a different username.

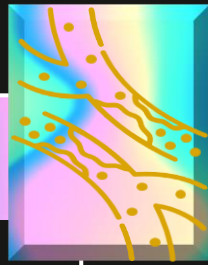
Password (required) ☒ Show passwords

Choose a strong password that contains letters (uppercase and lowercase), numbers and special characters. Avoid common words or repetition.

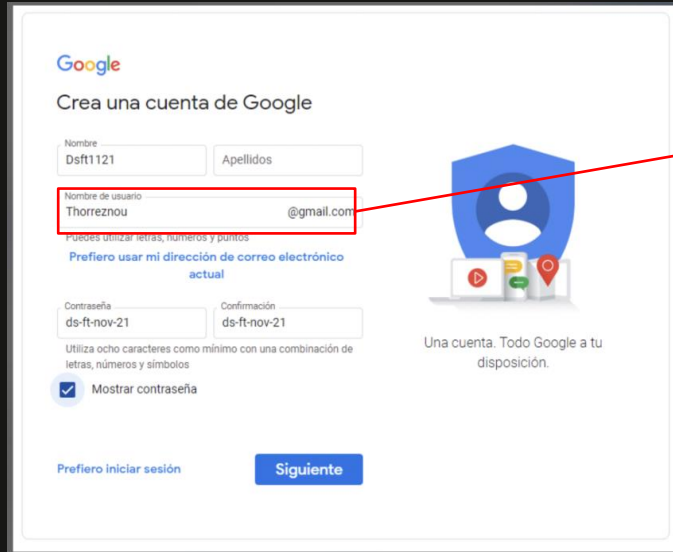
Password strength:

Confirm password (required)





Usar la cuenta de Gmail al registrarnos en <https://pypi.org/>



Google

Crea una cuenta de Google

Nombre
Dsft1121

Apellidos

Nombre de usuario
Thorreznou@gmail.com

Puedes omitir letras, números y puntos

☒ Prefiero usar mi dirección de correo electrónico actual

Contraseña
ds-ft-nov-21

Confirmación
ds-ft-nov-21

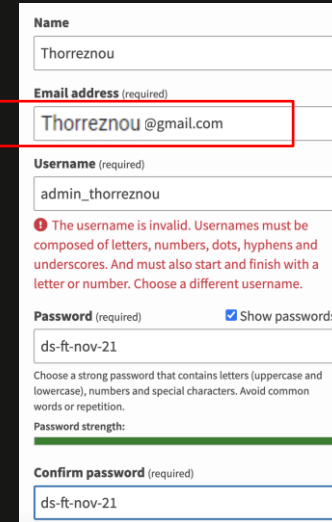
Utiliza ocho caracteres como mínimo con una combinación de letras, números y símbolos

☒ Mostrar contraseña

[Prefiero iniciar sesión](#)

[Siguiente](#)

Una cuenta. Todo Google a tu disposición.



Name
Thorreznou

Email address (required)
Thorreznou@gmail.com

Username (required)
admin_thorreznou

The username is invalid. Usernames must be composed of letters, numbers, dots, hyphens and underscores. And must also start and finish with a letter or number. Choose a different username.

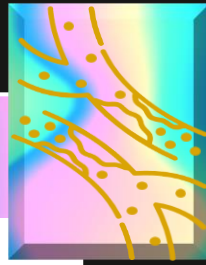
Password (required) ☒ Show passwords
ds-ft-nov-21

Choose a strong password that contains letters (uppercase and lowercase), numbers and special characters. Avoid common words or repetition.

Password strength:

Confirm password (required)
ds-ft-nov-21





3. Git clone del repo

erfederuiz / **thorreznou** Public

Pin Unwatch 2 Fork 2 Star 1

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

main 14 branches 0 tags Go to file Add file Code

erfederuiz Update README.md 3d57b1d 7 hours ago 41 commits

src	Modificar directorio dsft1121 a thorreznou	21 hours ago
.gitignore	Initial commit	8 days ago
LICENSE	Initial commit	8 days ago
README.md	Update README.md	7 hours ago
setup.py	Modificar directorio dsft1121 a thorreznou	21 hours ago

thorreznou/
 L_____ setup.py
 L_____ LICENSE
 L_____ README.md
 L_____ src/
 L_____ thorreznou/
 L_____ __init__.py
 L_____ EDA.py
 L_____ ML.py
 L_____ VIZ.py

Readme MIT License 1 star 2 watching 2 forks

Releases No releases published Create a new release

README.md

Thorreznou



4. Configuración del archivo de contrucción, setup.py

> sublime setup.py

```
import setuptools

with open("README.md", "r", encoding="utf-8") as fh:
    long_description = fh.read()

setuptools.setup(
    name = 'Thorreznou',
    version = '0.1.3',
    author = 'The Bridge Data Science Team 1121',
    author_email = 'Thorreznou@gmail.com',
    description = 'Thorreznou',
    long_description=long_description,
    long_description_content_type="text/markdown",
    url = 'https://github.com/erfederuiz/thorreznou',
    classifiers=[
        "Programming Language :: Python :: 3",
        "License :: OSI Approved :: MIT License",
        "Operating System :: OS Independent",
    ],
    package_dir={"": "src"},
    packages=setuptools.find_packages(where="src"),
    install_requires=[
        'pandas',
        'numpy',
        'sklearn',
        'seaborn',
        'matplotlib',
        'scipy',
        'Ipython',
        'wordcloud',
        'pillow',
        'imblearn',
        'opencv-python',
        'pathlib'
    ],
    python_requires=">=3.6",
)
```

thorreznou/

L_____ setup.py

L_____ LICENSE

L_____ README.md

L_____ src/

L_____ thorreznou/

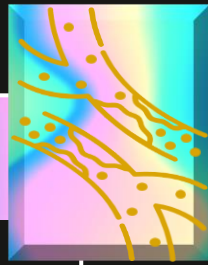
L_____ __init__.py

L_____ EDA.py

L_____ ML.py

L_____ VIZ.py





5. Configurar el archivo `__init__.py`

thorreznou/

- L_____ setup.py
- L_____ LICENSE
- L_____ README.md
- L_____ src/

- L_____ thorreznou/

- L_____ `__init__.py`
 - L_____ EDA.py
 - L_____ ML.py
 - L_____ VIZ.py

```
from thorreznou.VIZ import *  
from thorreznou.ML import *  
from thorreznou.EDA import *
```





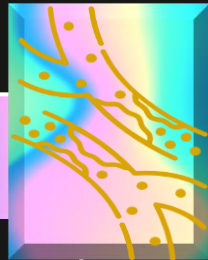
6. Generación local del package

```
> python setup.py sdist
running sdist
running egg_info
writing src/Thorreznou.egg-info/PKG-INFO
writing dependency_links to src/Thorreznou.egg-info/dependency_links.txt
writing requirements to src/Thorreznou.egg-info/requires.txt
writing top-level names to src/Thorreznou.egg-info/top_level.txt
reading manifest file 'src/Thorreznou.egg-info/SOURCES.txt'
adding license file 'LICENSE'
writing manifest file 'src/Thorreznou.egg-info/SOURCES.txt'
running check
creating Thorreznou-0.1.1
creating Thorreznou-0.1.1/src
creating Thorreznou-0.1.1/src/Thorreznou.egg-info
creating Thorreznou-0.1.1/src/dsft1121
copying files to Thorreznou-0.1.1...
copying LICENSE -> Thorreznou-0.1.1
copying README.md -> Thorreznou-0.1.1
copying setup.py -> Thorreznou-0.1.1
copying src/Thorreznou.egg-info/PKG-INFO -> Thorreznou-0.1.1/src/Thorreznou.egg-info
copying src/Thorreznou.egg-info/SOURCES.txt -> Thorreznou-0.1.1/src/Thorreznou.egg-info
copying src/Thorreznou.egg-info/dependency_links.txt -> Thorreznou-0.1.1/src/Thorreznou.egg-info
copying src/Thorreznou.egg-info/requires.txt -> Thorreznou-0.1.1/src/Thorreznou.egg-info
copying src/Thorreznou.egg-info/top_level.txt -> Thorreznou-0.1.1/src/Thorreznou.egg-info
copying src/dsft1121/EDA.py -> Thorreznou-0.1.1/src/dsft1121
copying src/dsft1121/ML.py -> Thorreznou-0.1.1/src/dsft1121
copying src/dsft1121/VIZ.py -> Thorreznou-0.1.1/src/dsft1121
copying src/dsft1121/__init__.py -> Thorreznou-0.1.1/src/dsft1121
copying src/dsft1121/tests_eda.py -> Thorreznou-0.1.1/src/dsft1121
Writing Thorreznou-0.1.1/setup.cfg
Creating tar archive
removing 'Thorreznou-0.1.1' (and everything under it)
```

```
thorreznou/
L____ setup.py
L____ LICENSE
L____ README.md
L____ dist/
L____ src/
      L____ thorreznou/
            L____ __init__.py
            L____ EDA.py
            L____ ML.py
            L____ VIZ.py
```

El directorio dist no existe hasta ejecutar `python setup.py sdist` !!





7. Publicación del package en PyPI

```
> python3 -m pip install --upgrade twine
```

```
> twine upload dist/*
```

```
Uploading distributions to https://upload.pypi.org/legacy/
```

```
Enter your username: admin_thorreznou
```

```
Enter your password:
```

```
Uploading Thorreznou-0.1.1.tar.gz
```

```
100%|████████████████████████████████████████████████████████████████████████████████| 25.5k/25.5k [00:00<00:00, 28.4kB/s]
```

```
View at:
```


```
https://pypi.org/project/Thorreznou/0.1.1/
```





8. Comprobación de la subida a PyPI

<https://pypi.org/>



Log in to PyPI


Username (required)
admin_thorreznou


Password (required)
ds-ft-nov-21

☐ Show password


[Log in](#)


[Forgot password?](#)




 admin_thorreznou ▼

Your account

 Your projects

 Account settings

Your projects (1)



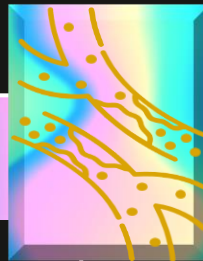
Thorreznou SOLE OWNER

Last released Mar 1, 2022

Thorreznou.

[Manage](#) [View](#)





9. Instalación del package en nuestro Python

PS C:\Users\javie\Nueva carpeta\github\5-Productivization\1-Flask\3-Heroku> **pip install Thorreznou**
Collecting Thorreznou

Downloading Thorreznou-0.1.2.tar.gz (22 kB)

Preparing metadata (setup.py) ... done

Stored in directory: C:\Users\javie\AppData\Local\pip\Cache\wheels
Successfully built Thorreznou
Installing collected packages: Thorreznou
Successfully installed Thorreznou-0.1.2

```
PS C:\Users\javie\Nueva carpeta\github\5-Productivization\1-Flask\3-Heroku> pip install Thorreznou
Collecting Thorreznou
  Downloading Thorreznou-0.1.2.tar.gz (22 kB)
  Preparing metadata (setup.py) ... done
Requirement already satisfied: pandas in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (1.4.0)
Requirement already satisfied: numpy in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (1.20.1)
Requirement already satisfied: sklearn in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (0.9)
Requirement already satisfied: seaborn in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (0.11.1)
Requirement already satisfied: matplotlib in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (3.3.4)
Requirement already satisfied: scipy in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (1.6.2)
Requirement already satisfied: IPython in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (7.22.0)
Requirement already satisfied: wordcloud in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (1.8.1)
Requirement already satisfied: pillow in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (8.2.0)
Requirement already satisfied: imblearn in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (0.8)
Requirement already satisfied: qcython in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (4.5.5.62)
Requirement already satisfied: publib in c:\users\javie\anaconda\lib\site-packages (from Thorreznou) (1.0.1)
Requirement already satisfied: imbalanced-learn in c:\users\javie\anaconda\lib\site-packages (from imblearn->Thorreznou) (0.9.0)
Requirement already satisfied: backcall in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (0.2.0)
Requirement already satisfied: colorama in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (0.4.4)
Requirement already satisfied: pickleshare in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (0.7.5)
Requirement already satisfied: jedi<=0.18 in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (0.17.2)
Requirement already satisfied: traitlets<4.2 in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (5.0.5)
Requirement already satisfied: decorator in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (5.0.6)
Requirement already satisfied: pyparsing<2.4.5 in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (2.4.2)
Requirement already satisfied: setuptools<48.5 in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (52.0.8.post20210125)
Requirement already satisfied: prompt-toolkit<3.0.0, >3.0.1, <3.1.0, >2.0.0 in c:\users\javie\anaconda\lib\site-packages (from IPython->Thorreznou) (3.0.17)
Requirement already satisfied: cycler<0.10 in c:\users\javie\anaconda\lib\site-packages (from matplotlib->Thorreznou) (0.10.0)
Requirement already satisfied: pyparsing<2.0.4, >2.1.2, <2.1.6, >2.0.3 in c:\users\javie\anaconda\lib\site-packages (from matplotlib->Thorreznou) (2.4.7)
Requirement already satisfied: python-dateutil<2.1 in c:\users\javie\anaconda\lib\site-packages (from matplotlib->Thorreznou) (2.8.1)
Requirement already satisfied: kiwisolver<1.1 in c:\users\javie\anaconda\lib\site-packages (from matplotlib->Thorreznou) (1.3.1)
Requirement already satisfied: pytz<2020.1 in c:\users\javie\anaconda\lib\site-packages (from pandas->Thorreznou) (2021.1)
Requirement already satisfied: scikit-learn in c:\users\javie\anaconda\lib\site-packages (from sklearn->Thorreznou) (0.8.2)
Requirement already satisfied: six in c:\users\javie\anaconda\lib\site-packages (from cycler->0.10->matplotlib->Thorreznou) (1.15.0)
Requirement already satisfied: pyparsing<2.0.4, >2.0.3 in c:\users\javie\anaconda\lib\site-packages (from matplotlib->Thorreznou) (2.4.7)
Requirement already satisfied: wordcloud in c:\users\javie\anaconda\lib\site-packages (from prompt-toolkit->3.0.0, >3.0.1, <3.1.0, >2.0.0->IPython->Thorreznou) (1.8.1)
Requirement already satisfied: IPython<genutils in c:\users\javie\anaconda\lib\site-packages (from traitlets<4.2->IPython->Thorreznou) (0.2.0)
Requirement already satisfied: threadlocal<2.0.0 in c:\users\javie\anaconda\lib\site-packages (from imbalanced-learn->imblearn->Thorreznou) (1.1.0)
Requirement already satisfied: joblib<0.11 in c:\users\javie\anaconda\lib\site-packages (from imbalanced-learn->imblearn->Thorreznou) (1.0.1)
Building wheels for collected packages: Thorreznou
  Building wheel for Thorreznou (setup.py) ... done
  Created wheel for Thorreznou: Thorreznou-0.1.2-py3-none-any.whl size=24269 sha256=41b0b6749f6b6c34c0b3938152c2726ac27718d5c43ad7d7b764
  Stored in directory: C:\Users\javie\AppData\Local\pip\Cache\wheels\38\4a\9d\89\657a5f3e3d8fc4f57b41b831442c3363a5a5a
Successfully built Thorreznou
Successfully installed Thorreznou-0.1.2
PS C:\Users\javie\Nueva carpeta\github\5-Productivization\1-Flask\3-Heroku>
```





10. Uso del package instalado

```
import thorreznou
```

[5] Python



¡Gracias!

Thorreznou Library

Puedes visitar la librería aquí:



<https://pypi.org/project/Thorreznou/>



<https://github.com/erfederuiz/thorreznou>

Y tras usarla irte a descansar y no quedarte así:

