	Isabel Maniega  Matrices
In [3]:	<pre>import numpy as np import pandas as pd</pre>
In [2]:	[10, 20], [30, 40] ]) matriz
Out[2]: In [3]:	[30, 40]]) matriz[0][0] # fila 0 columna 0
Out[3]: In [5]: Out[5]:	matriz[0][1] # fila 0 columna 1
In [6]:	SET  listado = [10, 10, 20, 30, 40, 40, 50] listado
Out[6]:	[10, 10, 20, 30, 40, 40, 50]
Out[8]:	
	<ul> <li>2 20</li> <li>3 30</li> <li>4 40</li> <li>5 40</li> </ul>
In [10]: Out[10]:	ui.tistauo.vatue_counts()
	10 2 20 1 30 1 50 1 Name: listado, dtype: int64
In [11]: Out[11]: In [12]:	{10, 20, 30, 40, 50}
Out[12]: In [13]:	tistados - [ casa , casa ]
Out[13]: In [14]:	<pre>set(listado3) {'Casa', 'casa'}  listado4 = list((10, 10, 10, 10, 10, 10)) listado4</pre>
Out[14]: In [15]:	[10, 10, 10, 10, 10, 10]
Out[15]: In [16]:	<pre>type(set(listado4))</pre>
Out[16]: In [17]: In [18]:	
Out[18]:	
In [29]:	<pre>Iris Dataset  df = pd.read_csv("iris.csv") df</pre>
Out[29]:	sepal_length         sepal_width         petal_length         species           0         5.1         3.5         1.4         0.2         setosa           1         4.9         3.0         1.4         0.2         setosa           2         4.7         3.2         1.3         0.2         setosa
	3       4.6       3.1       1.5       0.2 setosa         4       5.0       3.6       1.4       0.2 setosa                145       6.7       3.0       5.2       2.3 virginica
	146       6.3       2.5       5.0       1.9 virginica         147       6.5       3.0       5.2       2.0 virginica         148       6.2       3.4       5.4       2.3 virginica         149       5.9       3.0       5.1       1.8 virginica
In [30]:	ur.neau()
Out[30]:	0         5.1         3.5         1.4         0.2         setosa           1         4.9         3.0         1.4         0.2         setosa           2         4.7         3.2         1.3         0.2         setosa           3         4.6         3.1         1.5         0.2         setosa
In [31]:	<b>4</b> 5.0 3.6 1.4 0.2 setosa
Out[31]:	sepal_length         sepal_width         petal_width         species           145         6.7         3.0         5.2         2.3         virginica           146         6.3         2.5         5.0         1.9         virginica           147         6.5         3.0         5.2         2.0         virginica
In [32]:	148       6.2       3.4       5.4       2.3 virginica         149       5.9       3.0       5.1       1.8 virginica         df.describe()
Out[32]:	sepal_length         sepal_width         petal_width           count         150.000000         150.000000         150.000000           mean         5.843333         3.054000         3.758667         1.198667           std         0.828066         0.433594         1.764420         0.763161
	min       4.300000       2.000000       1.000000       0.100000         25%       5.100000       2.800000       1.600000       0.300000         50%       5.800000       3.000000       4.350000       1.300000         75%       6.400000       3.300000       5.100000       1.800000
In [33]:	ten(ur), urishape
Out[33]: In [34]: Out[34]:	type(df)
<pre>In [36]: Out[36]:</pre>	virginica 50 versicolor 50 setosa 50
In [4]:	Name: species, dtype: int64  Otro archivo de Iris que podemos encontrarnos  df_2 = pd.read_csv("Iris.csv") df_2
Out[4]:	Id         SepalLengthCm         SepalWidthCm         PetalWidthCm         Species           0         1         5.1         3.5         1.4         0.2         Iris-setosa           1         2         4.9         3.0         1.4         0.2         Iris-setosa           2         3         4.7         3.2         1.3         0.2         Iris-setosa
	3       4       4.6       3.1       1.5       0.2 Iris-setosa         4       5       5.0       3.6       1.4       0.2 Iris-setosa                145       146       6.7       3.0       5.2       2.3 Iris-virginica
	146       147       6.3       2.5       5.0       1.9       Iris-virginica         147       148       6.5       3.0       5.2       2.0       Iris-virginica         148       149       6.2       3.4       5.4       2.3       Iris-virginica         149       150       5.9       3.0       5.1       1.8       Iris-virginica
In [5]:	150 rows × 6 columns  Otra forma de ver el Iris dataset
In [6]:	<pre>csv_url = 'https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data'  col_names = ['Sepal_Length', 'Sepal_Width', 'Petal_Length', 'Petal_Width', 'Class'] iris = pd.read_csv(csv_url, names = col_names) iris</pre>
Out[6]:	Sepal_Length         Sepal_Width         Petal_Length         Petal_Width         Class           0         5.1         3.5         1.4         0.2         Iris-setosa           1         4.9         3.0         1.4         0.2         Iris-setosa
Out[6]:	Sepal_Length Sepal_Width Petal_Length Petal_Width Class  0 5.1 3.5 1.4 0.2 Iris-setosa
Out[6]:	Sepal_Length         Sepal_Width         Petal_Length         Petal_Width         Class           0         5.1         3.5         1.4         0.2         Iris-setosa           1         4.9         3.0         1.4         0.2         Iris-setosa           2         4.7         3.2         1.3         0.2         Iris-setosa           3         4.6         3.1         1.5         0.2         Iris-setosa           4         5.0         3.6         1.4         0.2         Iris-setosa
	Sepal_Length         Sepal_Width         Petal_Length         Petal_Width         Class           0         5.1         3.5         1.4         0.2         Iris-setosa           1         4.9         3.0         1.4         0.2         Iris-setosa           2         4.7         3.2         1.3         0.2         Iris-setosa           3         4.6         3.1         1.5         0.2         Iris-setosa           4         5.0         3.6         1.4         0.2         Iris-setosa                   145         6.7         3.0         5.2         2.3         Iris-virginica           146         6.3         2.5         5.0         1.9         Iris-virginica           147         6.5         3.0         5.2         2.0         Iris-virginica           149         5.9         3.0         5.1         1.8         Iris-virginica           150 rows × 5 columns         Titanic dataset
Out[6]: In [5]: Out[5]:	Sepal_Length   Sepal_Width   Petal_Length   Petal_Width   Class
In [5]:	Sepal_Length   Sepal_Width   Petal_Length   Petal_Width   Class
In [5]:	Sepal_Length   Sepal_Width   Petal_Length   Petal_Width   Class
In [5]:	Sepal Length   Sepal Width   Petal Length   Petal Width   Class
In [5]:	Sepal Length   Sepal Width   Petal Length   Petal Width   Class
In [5]:	Seps  Length   Seps  Width   Petal_Length   Petal
In [5]: Out[5]:	Sepal_Length   Sepal_With   Petal_Length   Petal_Width   Class
<pre>In [5]:  Out[5]:  In [8]:</pre>	Sepal_Length   Sepal_Worth   Petal_Length   Petal_With   Class
<pre>In [5]: Out[5]:  Out[8]: In [9]: Out[9]:</pre>	Sepal Longin   Sepal Wift   Potal Length   Potal Width   Class
<pre>In [5]: Out[5]:  In [7]:  In [8]: Out[8]: In [9]:</pre>	Sepack_Length   Sepack_With   Predict   Pred
<pre>In [5]: Out[5]:  In [7]:  In [9]: Out[9]:  In [10]: Out[10]: In [11]:</pre>	Signal Length   Separt Width   Potal Length   Potal Length   Class
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