

## LISTADO DE ARTÍCULOS DE FUNCIONES DE MANIPULACIÓN PANDAS Y NUMPY

Una muy buena página de resúmenes y de consulta es [statology.org](https://www.statology.org). A continuación te voy a listar artículos de la página <https://www.statology.org/python-guides/> que te pueden ayudar a encontrar información que necesitas para tus proyectos.

**Tu tarea es pasar el código de estos artículos a un jupyter con tus propias notas** para testearlos y probarlos. Ya sé que hay muchos pero puede ser una buena manera de estudiar maneras de trabajar tus data frames.

Muchas de estas rutinas creadas las utilizamos los científicos de datos en nuestro día a día.

**Funciones generales de manipulación de data frames:**

- [How to Use Pandas in Python: import pandas as pd](#)
- [How to Check dtype for All Columns in Pandas](#)
- [How to Show All Columns of a Pandas DataFrame](#)
- [How to List All Column Names in Pandas](#)
- [How to Rename Columns in Pandas](#)
- [How to Swap Two Columns in Pandas](#)
- [How to Stack Multiple Pandas DataFrames](#)
- [How to Reshape Pandas DataFrame from Wide to Long](#)
- [How to Reshape Pandas DataFrame from Long to Wide](#)
- [How to Convert Pandas Pivot Table to DataFrame](#)
- [How to Create Pivot Table with Count of Values in Pandas](#)
- [How to Replace NaN Values in Pandas Pivot Table with Zeros](#)
- [How to Modify Column Names in Pandas Pivot Table](#)
- [How to Unpivot a Pandas DataFrame](#)
- [How to Calculate Summary Statistics in Pandas](#)
- [How to Merge Two or More Series in Pandas](#)
- [How to Merge Two Pandas DataFrames on Index](#)
- [How to Merge Two Pandas DataFrames with Different Column Names](#)
- [How to Merge Pandas DataFrames on Multiple Columns](#)
- [How to Merge Multiple DataFrames in Pandas](#)
- [How to Do a Left Join in Pandas](#)
- [How to Do an Inner Join in Pandas](#)
- [How to Perform Fuzzy Matching in Pandas](#)
- [How to Add Multiple Columns to Pandas DataFrame](#)
- [How to Coalesce Values in Pandas](#)
- [How to Concatenate Two Pandas DataFrames](#)
- [How to Append Two Pandas DataFrames](#)
- [How to Append Multiple Pandas DataFrames](#)
- [How to Append a List to a Pandas DataFrame](#)
- [How to Perform a VLOOKUP in Pandas](#)
- [How to Split Pandas DataFrame into Multiple DataFrames](#)
- [How to Split Pandas DataFrame By Column Value](#)
- [How to Change the Order of Columns in Pandas](#)
- [How to Convert Pandas Index to a List](#)
- [How to Convert Pandas Column to List](#)
- [How to Rename Index in Pandas DataFrame](#)
- [How to Change Index Values in Pandas](#)
- [How to Shift a Column in Pandas](#)
- [How to Add Column from One Pandas DataFrame to Another](#)
- [How to Add a Column to a Pandas DataFrame](#)
- [How to Add Rows to a Pandas DataFrame](#)
- [How to Add Header Row to Pandas DataFrame](#)
- [How to Get First Column of Pandas DataFrame](#)
- [How to Get First Row of Pandas DataFrame](#)

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- [How to Get First Row of Each Group in Pandas](#)
- [How to Get Cell Value from Pandas DataFrame](#)
- [How to Set Cell Value in Pandas DataFrame](#)
- [How to Get Value from Pandas Series](#)
- [How to Check if Cell is Empty in Pandas DataFrame](#)
- [How to Find Unique Values in Multiple Columns in Pandas](#)
- [How to Count Unique Values by Group in Pandas](#)
- [How to Count Unique Values in Pandas](#)
- [How to Count Unique Combinations of Two Columns in Pandas](#)
- [How to Count Occurrences of Specific Value in Pandas Column](#)
- [How to Group By Index in Pandas](#)
- [How to Group by Month in Pandas](#)
- [How to Calculate Percentage of Total Within Group in Pandas](#)
- [How to Use GroupBy & Sort Within Groups in Pandas](#)
- [How to Use GroupBy and Value Counts in Pandas](#)
- [How to Calculate Correlation By Group in Pandas](#)
- [How to Use GroupBy with nlargest\(\) in Pandas](#)
- [How to Use GroupBy with Bin Counts in Pandas](#)
- [How to Calculate Mode in a GroupBy Object in Pandas](#)
- [How to Calculate Rank in a GroupBy Object in Pandas](#)
- [How to Group Rows into List Using GroupBy in Pandas](#)
- [How to Concatenate Strings from Using GroupBy in Pandas](#)
- [How to Convert Pandas GroupBy Output to DataFrame](#)
- [How to Use idxmax\(\) Function in Pandas](#)
- [How to Use describe\(\) Function in Pandas](#)
- [How to Use where\(\) Function in Pandas](#)
- [How to Use value\\_counts\(\) Function in Pandas](#)
- [How to Use head\(\) Function in Pandas](#)
- [How to Use explode\(\) Function in Pandas](#)
- [How to Impute Missing Values in Pandas](#)
- [How to Count Missing Values in a Pandas DataFrame](#)
- [How to Count Number of Rows in Pandas DataFrame](#)
- [How to Convert Datetime to Date in Pandas](#)
- [How to Convert DateTime to String in Pandas](#)
- [How to Convert Timestamp to Datetime in Pandas](#)
- [How to Add Leading Zeros to Strings in Pandas](#)
- [How to Convert Boolean Values to Integer Values in Pandas](#)
- [How to Convert Object to Float in Pandas](#)
- [How to Use “OR” Operator in Pandas](#)
- [How to Filter Pandas DataFrame Rows by Date](#)
- [How to Extract Month from Date in Pandas](#)
- [How to Calculate Timedelta in Months in Pandas](#)
- [How to Create a Date Range in Pandas](#)
- [How to Calculate Difference Between Two Dates in Pandas](#)
- [How to Filter a Pandas DataFrame by Column Values](#)
- [How to Select Rows by Multiple Conditions Using Pandas loc](#)
- [The Difference Between loc vs. iloc in Pandas](#)
- [How to Use “NOT IN” Filter in Pandas](#)
- [How to Filter Rows that Contain a Specific String in Pandas](#)
- [How to Sort a Pandas DataFrame Alphabetically](#)
- [How to Sort a Pandas DataFrame by Date](#)
- [How to Sort a Pandas DataFrame by Column Name](#)
- [How to Sort a Pandas DataFrame by Both Index and Column](#)
- [How to Sort by Multiple Columns in Pandas](#)
- [How to Get Row Numbers in a Pandas DataFrame](#)
- [How to Split String Column in Pandas into Multiple Columns](#)
- [How to Convert a NumPy Array to Pandas DataFrame](#)
- [How to Convert Categorical Variable to Numeric in Pandas](#)

**LISTADO DE ARTÍCULOS DE FUNCIONES DE MANIPULACIÓN PANDAS Y NUMPY**

- [How to Add Row to Matrix in NumPy](#)
- [How to Remove NaN Values from NumPy Array](#)
- [How to Calculate Dot Product Using NumPy](#)
- [How to Calculate a Cross Product in Python](#)
- [How to Calculate the Magnitude of a Vector Using NumPy](#)
- [How to Find Index of Value in NumPy Array](#)
- [How to Count Occurrences of Elements in NumPy](#)
- [How to Use NumPy where\(\) With Multiple Conditions](#)
- [How to Compare Two NumPy Arrays](#)
- [How to Select Columns by Index in a Pandas DataFrame](#)
- [How to Select Rows by Index in a Pandas DataFrame](#)
- [How to Select Rows Based on Column Values in Pandas](#)
- [How to Make a Scatterplot From a Pandas DataFrame](#)
- [How to Fill NA Values for Multiple Columns in Pandas](#)
- [How to Perform a SUMIF Function in Pandas](#)
- [How to Compare Two Columns in Pandas](#)
- [How to Calculate Correlation Between Two Columns in Pandas](#)
- [How to Create Bar Plot from GroupBy in Pandas](#)
- [How to Create Boxplot from Pandas DataFrame](#)
- [How to Create Pie Chart from Pandas DataFrame](#)
- [How to Create a Histogram from Pandas DataFrame](#)
- [How to Create and Customize Plot Legends in Pandas](#)
- [How to Create a Scatter Matrix in Pandas](#)
- [How to Add Titles to Plots in Pandas](#)
- [How to Plot Multiple Series from a Pandas DataFrame](#)
- [Pandas: Get Index of Rows Whose Column Matches Value](#)
- [Pandas: How to Plot Multiple Columns on Bar Chart](#)
- [Pandas: How to Use Groupby and Plot](#)
- [Pandas: How to Find the Difference Between Two Rows](#)
- [Pandas: How to Find the Difference Between Two Columns](#)
- [Pandas: Difference Between Join vs. Merge](#)

**Funciones de data frames:**

- [How to Calculate the Sum of Columns in Pandas](#)
- [How to Calculate the Mean of Columns in Pandas](#)
- [How to Calculate the Median of Columns in Pandas](#)
- [How to Find the Max Value of Columns in Pandas](#)
- [How to Calculate Standard Deviation in Pandas](#)
- [How to Calculate Conditional Mean in Pandas](#)
- [How to Calculate Cumulative Percentage in Pandas](#)
- [How to Calculate a Reversed Cumulative Sum in Pandas](#)
- [How to Calculate Cumulative Sum by Group in Pandas](#)
- [How to Calculate the Average of Selected Columns in Pandas](#)
- [How to Sum Specific Columns in Pandas](#)
- [How to Apply a Function to Selected Columns in Pandas](#)
- [How to Apply Function to Pandas Groupby](#)
- [How to Use groupby\(\) and transform\(\) Functions in Pandas](#)
- [How to Use axis=0 and axis=1 in Pandas](#)
- [How to Use Pandas apply\(\) inplace](#)
- [How to Calculate a Weighted Average in Pandas](#)
- [How to Calculate Percent Change in Pandas](#)
- [How to Compare Two DataFrames in Pandas](#)
- [How to Convert Pandas DataFrame Columns to Strings](#)
- [How to Convert Pandas DataFrame Columns to Integer](#)
- [How to Create Pandas DataFrame from Series](#)
- [How to Create Pandas DataFrame with Random Data](#)

**LISTADO DE ARTÍCULOS DE FUNCIONES DE MANIPULACIÓN PANDAS Y NUMPY**

- [How to Create a NumPy Matrix with Random Numbers](#)
- [How to Find the Intersection Between Series in Pandas](#)
- [How to Use Pandas fillna\(\) to Replace NaN Values](#)
- [How to Fill NaN Values with Mean in Pandas](#)
- [How to Fill NaN Values with Median in Pandas](#)
- [How to Fill NaN Values with Mode in Pandas](#)
- [How to Fill NaN Values with Another Column in Pandas](#)
- [How to Replace Values in a Pandas DataFrame](#)
- [How to Replace inf with Zero in Pandas](#)
- [How to Replace Empty Strings with NaN in Pandas](#)
- [How to Replace NaN Values with String in Pandas](#)
- [How to Replace NaN Values with Zero in Pandas](#)
- [How to Drop Rows with NaN Values in Pandas](#)
- [How to Drop Rows that Contain a Specific Value in Pandas](#)
- [How to Drop Rows in Pandas DataFrame Based on Condition](#)
- [How to Drop Rows by Index in Pandas](#)
- [How to Filter a Pandas DataFrame on Multiple Conditions](#)
- [How to Insert a Column Into a Pandas DataFrame](#)
- [How to Insert a Row Into a Pandas DataFrame](#)
- [How to Write a Case Statement in Pandas](#)
- [How to Create a New Column Based on a Condition in Pandas](#)
- [How to Replace Values in Column Based on Condition in Pandas](#)
- [How to Add an Empty Column to a Pandas DataFrame](#)
- [How to Create Empty DataFrame with Column Names in Pandas](#)
- [How to Create New Pandas DataFrame from Existing DataFrame](#)
- [How to Subtract Two Columns in Pandas DataFrame](#)
- [How to Convert Strings to Float in Pandas](#)
- [How to Convert Pandas Series to NumPy Array](#)
- [How to Convert Pandas Series to DataFrame](#)
- [How to Convert Dictionary to Pandas DataFrame](#)
- [How to Convert Pandas DataFrame to Dictionary](#)
- [How to Convert Pandas DataFrame to NumPy Array](#)
- [How to Convert a List to a DataFrame in Python](#)
- [How to Convert a List to a DataFrame Row in Python](#)
- [How to Convert List to NumPy Array](#)
- [How to Convert NumPy Array to List](#)
- [How to Add a Column to a NumPy Array](#)
- [How to Sort a NumPy Array by Column](#)
- [How to Get Specific Column from NumPy Array](#)
- [How to Convert Columns to DateTime in Pandas](#)
- [How to Convert Floats to Integers in Pandas](#)
- [How to Find the Sum of Rows in a Pandas DataFrame](#)
- [How to Bin Variables in Python Using numpy.digitize\(\)](#)
- [How to Normalize Data in a Pandas DataFrame](#)
- [How to Standardize Data in a Pandas DataFrame](#)
- [How to Drop the Index Column in Pandas](#)
- [How to Reset an Index in Pandas DataFrame](#)
- [How to Convert Index to Column in Pandas](#)
- [How to Flatten MultiIndex in Pandas](#)
- [How to Use GroupBy on a MultiIndex in Pandas](#)
- [How to Exclude Columns in Pandas](#)
- [How to Set Column as Index in Pandas](#)
- [How to Add a Numpy Array to a Pandas DataFrame](#)
- [How to Map a Function Over a NumPy Array](#)
- [How to Calculate the Mode of NumPy Array](#)
- [How to Shift Elements in NumPy Array](#)
- [How to Calculate Quantiles by Group in Pandas](#)
- [How to Count Observations by Group in Pandas](#)

## LISTADO DE ARTÍCULOS DE FUNCIONES DE MANIPULACIÓN PANDAS Y NUMPY

- [How to Find the Max Value by Group in Pandas](#)
- [How to Find the Median Value by Group in Pandas](#)
- [How to Perform a GroupBy Sum in Pandas](#)
- [How to Find Duplicates in Pandas](#)
- [How to Drop Duplicate Rows in Pandas](#)
- [How to Drop Duplicate Columns in Pandas](#)
- [How to Drop Duplicates Across Multiple Columns in Pandas](#)
- [How to Combine Two Columns in Pandas](#)
- [How to Keep Certain Columns in Pandas](#)
- [How to Check if Column Exists in Pandas](#)
- [How to Use cbind in Python](#)
- [How to Use rbind in Python](#)
- [How to Drop Columns in Pandas](#)
- [How to Drop Columns by Index in Pandas](#)
- [How to Drop Unnamed Column in Pandas](#)
- [How to Drop First Column in Pandas](#)
- [How to Drop First Row in Pandas](#)
- [How to Select Multiple Columns in Pandas](#)
- [How to Shuffle Rows in Pandas DataFrame](#)
- [How to Access Sample Datasets in Pandas](#)
- [How to Iterate Over Columns in Pandas DataFrame](#)
- [How to Iterate Over Rows in Pandas DataFrame](#)
- [Pandas: How to Use factorize\(\) to Encode Strings as Numbers](#)
- [Pandas: Select Rows Where Value Appears in Any Column](#)
- [Pandas: How to Group and Aggregate by Multiple Columns](#)
- [Pandas: How to Find Unique Values in a Column](#)
- [Pandas: How to Drop Rows that Contain a Specific String](#)

Mi recomendación es que pases el código de estos pequeños artículos en un Jupyter para estudiar cómo funciona.

Una vez lo tengas ya sabrás dónde buscar tus dudas, en tu propio resumen creado gracias a los artículos de statology.org

¡A por tu jupyter!

¡Genial!

Ahora ya tienes un repositorio para descubrir más maneras de trabajar tus data frames. Las opciones son muy grandes pero al menos las hemos resumido en una lista y en el jupyter que vas a crear :)

1 abrazo y hasta pronto.  
Brindo por tus éxitos :)

Jordi Ollé