DATA INPUT

File Type	Syntax	Description
Delimited File	read_table()	Read general delimited file into DataFrame.
Delimited File	read_csv()	Read a comma-separated values (csv) file into DataFrame.
Clipboard	read_clipboard()	Read text from clipboard and pass to read_csv.
Excel	read_excel(	Read an Excel file into a pandas DataFrame.
Excel	ExcelFile.parse()	Parse specified sheet(s) into a DataFrame.
SQL	read_sql_table()	Read SQL database table into a DataFrame.
SQL	read_sql_query()	Read SQL query into a DataFrame.
SQL	read_sql()	Read SQL query or database table into a DataFrame.
JSON	read_json()	Convert a JSON string to pandas object.
HTML	read_html()	Read HTML tables into a list of DataFrame objects.
XML	read_xml()	Read XML document into a DataFrame object.
PyTables (HDF5)	read_hdf()	Read from the store, close it if we opened it.
Parquet	read_parquet()	Load a parquet object from the file path, returning a DataFrame.
SAS	read_sas()	Read SAS files stored as either XPORT or SAS7BDAT format files.
SPSS	read_spss()	Load an SPSS file from the file path, returning a DataFrame.
Google BigQuery	read_gbq()	Load data from Google BigQuery.
STATA	read_stata()	Read Stata file into DataFrame.
ORC	read_orc()	Load an ORC object from the file path, returning a DataFrame.

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Reference/Source: Pandas Documentation

DATA PREVIEW

Usage Type	Syntax	Description
Preview	DataFrame.head()	Preview the first n (default=5)
Preview	DataFrame.tail()	Preview the last n (default=5)
Sort	DataFrame.sort_values()	Sort the data frame on a specific column
Preview	DataFrame.columns	Display all column names
Preview	DataFrame.dtypes	Display data types of the columns
Preview	DataFrame.shape	Display the shape of the data frame
Computations / Stats	DataFrame.describe()	Show basic stats of each column
Computations / Stats	DataFrame.value_counts()	Count occurrences of each value
Computations / Stats	DataFrame.info()	Print a concise summary of a DataFrame.
Computations / Stats	DataFrame.memory_usage()	Return the memory usage of each column in bytes.
Computations / Stats	DataFrame.abs()	Return a Series/DataFrame with absolute numeric value of each element.
Computations / Stats	DataFrame.corr()	Compute pairwise correlation of columns, excluding NA/null values.
Computations / Stats	DataFrame.corrwith()	Compute pairwise correlation.
Computations / Stats	DataFrame.count()	Count non-NA cells for each column or row.
Computations / Stats	DataFrame.cov()	Compute pairwise covariance of columns, excluding NA/null values.
Computations / Stats	DataFrame.cummax()	Return cumulative maximum over a DataFrame or Series axis.
Computations / Stats	DataFrame.cummin()	Return cumulative minimum over a DataFrame or Series axis.
Computations / Stats	DataFrame.cumprod()	Return cumulative product over a DataFrame or Series axis.
Computations / Stats	DataFrame.cumsum()	Return cumulative sum over a DataFrame or Series axis.
Computations / Stats	DataFrame.kurt()	Return unbiased kurtosis over requested axis.
Computations / Stats	DataFrame.kurtosis()	Return unbiased kurtosis over requested axis.
Computations / Stats	DataFrame.mad()	Return the mean absolute deviation of the values over the requested axis.
Computations / Stats	DataFrame.max()	Return the maximum of the values over the requested axis.
Computations / Stats	DataFrame.mean()	Return the mean of the values over the requested axis.
Computations / Stats	DataFrame.median()	Return the median of the values over the requested axis.
Computations / Stats	DataFrame.min()	Return the minimum of the values over the requested axis.
Computations / Stats	DataFrame.mode()	Get the mode(s) of each element along the selected axis.
Computations / Stats	DataFrame.pct_change()	Percentage change between the current and a prior element.
Computations / Stats	DataFrame.prod()	Return the product of the values over the requested axis.
Computations / Stats	DataFrame.product()	Return the product of the values over the requested axis.
Computations / Stats	DataFrame.quantile()	Return values at the given quantile over requested axis.
Computations / Stats	DataFrame.rank()	Compute numerical data ranks (1 through n) along axis.
Computations / Stats	DataFrame.round()	Round a DataFrame to a variable number of decimal places.
Computations / Stats	DataFrame.sem()	Return unbiased standard error of the mean over requested axis.
Computations / Stats	DataFrame.skew()	Return unbiased skew over requested axis.
Computations / Stats	DataFrame.sum()	Return the sum of the values over the requested axis.
Computations / Stats	DataFrame.std()	Return sample standard deviation over requested axis.
Computations / Stats	DataFrame.var()	Return unbiased variance over requested axis.
Computations / Stats	DataFrame.nunique()	Count number of distinct elements in specified axis.

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