pandas.DataFrame.to_csv

DataFrame.to_csv(self, path_or_buf=None, sep=', ', na_rep=", float_format=None, columns=None, header=True, index=True, index_label=None, mode='w', encoding=None, compression='infer', quoting=None, quotechar='''', line_terminator=None, chunksize=None, date_format=None, doublequote=True, escapechar=None, decimal='.')

Write object to a comma-separated values (csv) file.

[source]

Changed in version 0.24.0: The order of arguments for Series was changed.

path_or_buf : str or file handle, default None

File path or object, if None is provided the result is returned as a string. If a file object is passed it should be opened with *newline=*", disabling universal newlines. *Changed in version 0.24.0*: Was previously named "path" for Series.

sep: str, default ','

String of length 1. Field delimiter for the output file.

na_rep : str, default "

Missing data representation.

float_format : str, default None

Format string for floating point numbers.

Parameters:

columns: sequence, optional

Columns to write.

header: bool or list of str, default True

Write out the column names. If a list of strings is given it is assumed to be aliases for the column names.

Changed in version 0.24.0: Previously defaulted to False for Series.

index: bool, default True

Write row names (index).

index_label : str or sequence, or False, default None

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Column label for index column(s) if desired. If None is given, and *header* and *index* are True, then the index names are used. A sequence should be given if the object uses MultiIndex. If False do not print fields for index names. Use index_label=False for easier importing in R.

mode : str

Python write mode, default 'w'.

encoding: str, optional

A string representing the encoding to use in the output file, defaults to 'utf-8'.

compression : str, default 'infer'

Compression mode among the following possible values: {'infer', 'gzip', 'bz2', 'zip', 'xz', None}. If 'infer' and *path_or_buf* is path-like, then detect compression from the following extensions: '.gz', '.bz2', '.zip' or '.xz'. (otherwise no compression). *Changed in version 0.24.0:* 'infer' option added and set to default.

quoting: optional constant from csv module

Defaults to csv.QUOTE_MINIMAL. If you have set a *float_format* then floats are converted to strings and thus csv.QUOTE_NONNUMERIC will treat them as non-numeric.

quotechar: str, default ""

String of length 1. Character used to quote fields.

line_terminator : str, optional

The newline character or character sequence to use in the output file. Defaults to *os.linesep*, which depends on the OS in which this method is called ('n' for linux, 'rn' for Windows, i.e.).

Changed in version 0.24.0.

chunksize: int or None

Rows to write at a time.

date_format : str, default None

Format string for datetime objects.

doublequote: bool, default True

Control quoting of *quotechar* inside a field.

escapechar: str, default None

String of length 1. Character used to escape sep and quotechar when appropriate.

decimal: str, default '.'

Character recognized as decimal separator. E.g. use ',' for European data.

None or str

Returns:

If path_or_buf is None, returns the resulting csv format as a string. Otherwise returns None.

See also:

read_csv

Load a CSV file into a DataFrame.

to_excel

Write DataFrame to an Excel file.

Examples

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