pandas.DataFrame.median

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`DataFrame.median(axis=0, skipna=True, numeric_only=False, **kwargs)` [source]

Return the median of the values over the requested axis.

Parameters: **axis** : *{index (0), columns (1)}*

Axis for the function to be applied on. For *Series* this parameter is unused and defaults to 0. For DataFrames, specifying `axis=None` will apply the aggregation across both axes.

> *New in version 2.0.0.*

skipna : *bool, default True*

Exclude NA/null values when computing the result.

numeric_only : *bool, default False*

Include only float, int, boolean columns. Not implemented for Series.

****kwargs**

Additional keyword arguments to be passed to the function.

Returns: **Series or scalar**

Examples

```
>>> s = pd.Series([1, 2, 3])
>>> s.median()
2.0
```

With a DataFrame

```
>>> df = pd.DataFrame({'a': [1, 2], 'b': [2, 3]}, index=['tiger', 'zebra'])
>>> df
       a   b
tiger  1   2
zebra  2   3
>>> df.median()
a   1.5
b   2.5
dtype: float64
```

Using axis=1

```
>>> df.median(axis=1)
tiger   1.5
zebra   2.5
dtype: float64
```

In this case, *numeric_only* should be set to *True* to avoid getting an error.

```
>>> df = pd.DataFrame({'a': [1, 2], 'b': ['T', 'Z']},
...                   index=['tiger', 'zebra'])
>>> df.median(numeric_only=True)
a   1.5
dtype: float64
```

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