pandas.DataFrame.dropna

DataFrame.dropna(axis=0, how='any', thresh=None, subset=None, inplace=False)

[source]

Return object with labels on given axis omitted where alternately any or all of the data are missing

axis: {0 or 'index', 1 or 'columns'}, or tuple/list thereof

Pass tuple or list to drop on multiple axes

how: {'any', 'all'}

• any: if any NA values are present, drop that label

• all : if all values are NA, drop that label

thresh: int, default None

Parameters:

int value : require that many non-NA values

subset: array-like

Labels along other axis to consider, e.g. if you are dropping rows these

would be a list of columns to include

inplace: boolean, default False

If True, do operation inplace and return None.

Returns: dropped : DataFrame

Examples

Drop the columns where all elements are nan:

Drop the columns where any of the elements is nan

```
>>> df.dropna(axis=1, how='any')
   D
0 0
```

```
1 1
2 5
```

Drop the rows where all of the elements are nan (there is no row to drop, so df stays the same):

```
>>> df.dropna(axis=0, how='all')

A B C D

Ø NaN 2.0 NaN Ø

1 3.0 4.0 NaN 1

2 NaN NaN NaN 5
```

Keep only the rows with at least 2 non-na values:

```
>>> df.dropna(thresh=2)
    A    B    C    D
0 NaN    2.0 NaN    0
1    3.0    4.0 NaN    1
```