pandas.DataFrame.xs

`DataFrame.xs`(key, axis=0, level=None, drop_level=True) [source]

Returns a cross-section (row(s) or column(s)) from the Series/DataFrame. Defaults to cross-section on the rows (axis=0).

Parameters:

key : object
Some label contained in the index, or partially in a MultiIndex

axis : int, default 0
Axis to retrieve cross-section on

level : object, defaults to first n levels (n=1 or len(key))
In case of a key partially contained in a MultiIndex, indicate which levels are used. Levels can be referred by label or position.

drop_level : boolean, default True
If False, returns object with same levels as self.

Returns:

xs : Series or DataFrame

Notes

xs is only for getting, not setting values.

MultiIndex Slicers is a generic way to get/set values on any level or levels. It is a superset of xs functionality, see MultiIndex Slicers

Examples

```
>>> df
   A  B  C
a  4  5  2
b  4  0  9
c  9  7  3
>>> df.xs('a')
A    4
B    5
C    2
Name: a
>>> df.xs('C', axis=1)
a    2
b    9
c    3
Name: C
```

```
>>> df
                     A  B  C  D
first second third
```

```
bar   one    1      4  1  8  9
      two    1      7  5  5  0
baz   one    1      6  6  8  0
      three  2      5  3  5  3
>>> df.xs(('baz', 'three'))
       A  B  C  D
third
2      5  3  5  3
>>> df.xs('one', level=1)
             A  B  C  D
first third
bar   1      4  1  8  9
baz   1      6  6  8  0
>>> df.xs(('baz', 2), level=[0, 'third'])
        A  B  C  D
second
three   5  3  5  3
```