Find maximum value of a column and return the corresponding row values using Pandas









Country ▼	Place 💌	Value ▼
us	NewYork	562
us	Mchigan	854
us	Illinois	356
UK	London	<i>77</i> 8
UK	Manchester	512
Spain	Madrid	509
India	Mumbai	196
us	Kansas	894
UK	Liverpool	796
Spain	Barcelona	792

Using Python Pandas I am trying to find the 'Country' & 'Place' with the maximum value.

This returns the maximum value:

data.groupby(['Country','Place'])['Value'].max()

But how do I get the corresponding 'Country' and 'Place' name?

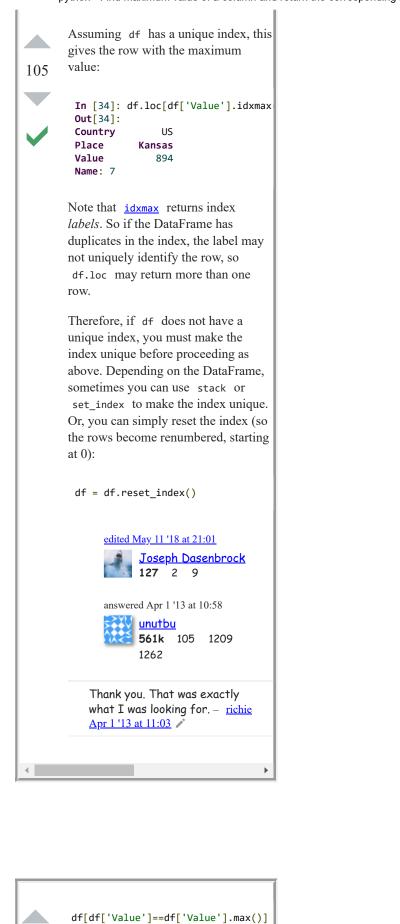
<u>python</u> <u>pandas</u>

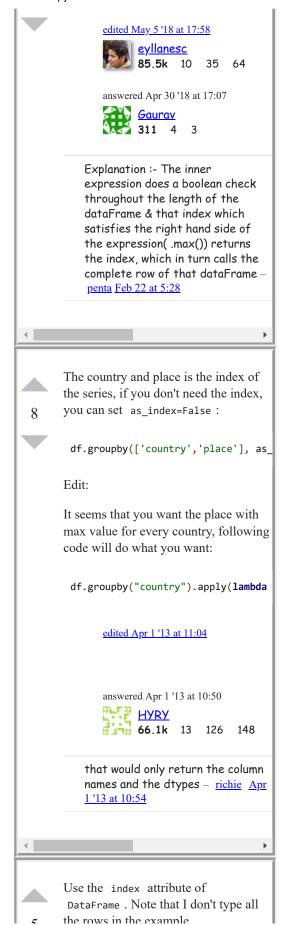
edited Apr 1 '13 at 10:38



asked Apr 1 '13 at 10:31







```
In [15]: df.index
 Out[15]:
 MultiIndex
 [Spain Manchester, UK
 In [16]: df.index[0]
 Out[16]: ('Spain', 'Manchester')
 In [17]: df.index[1]
 Out[17]: ('UK', 'London')
You can also get the value by that
index:
 In [21]: for index in df.index:
     print index, df[index]
 ('Spain', 'Manchester') 512
 ('UK', 'London') 778
 ('US', 'Mchigan') 854
 ('US', 'NewYork') 562
Edit
Sorry for misunderstanding what you
want, try followings:
 In [52]: s=data.max()
 In [53]: print '%s, %s, %s' % (s['C
 US, NewYork, 854
       edited Apr 1 '13 at 11:02
       answered Apr 1 '13 at 10:44
             <u>waitingkuo</u>
             38.2k 17 87 100
   correct. But I'm looking for a one
   line output that says, 'US, Kansas,
   894' - richie Apr 1 '13 at 10:51
   Sorry for misunderstanding, have
   updated :> - waitingkuo Apr 1 '13 at
   11:11
   Thanks. This would solve the
   problem for the current dataset
   where there is just 1 column with
   values. When there are more
   columns with values @unutbu's
   solution would work better.
    Thanks anyway. - richie Apr 1 '13
```

