## **Zeppelin**

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Class5-Python
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   %pyspark
   from pandas import Series, DataFrame
   import pandas as pd
   obj = Series([4, 7, -5, 3])
  obj
       4
  1
       7
      -5
       3
  3
  dtype: int64
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                                                                                       FINISHED ▷ 牂 圓 �
   %pyspark
   from pandas import Series, DataFrame
   import pandas as pd
   obj = Series([4, 7, -5, 3])
   obj
       4
       7
  1
  2
      -5
       3
  3
  dtype: int64
  Took 0 sec. Last updated by anonymous at February 16 2017, 6:40:26 PM.
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   %pyspark
   obj = Series([4, 7, -5, 3])
   obj
   obj.values
   obj.index
   obj2 = Series([4, 7, -5, 3], index=['d', 'b', 'a', 'c'])
   obj2
   obj2.index
   obj2['a']
   obj2['d'] = 6
   obj2[['c', 'a', 'd']]
       3
  c
      -5
  а
       6
  dtype: int64
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http://localhost:8080/#/notebook/2CB2GFK3S

obj2[obj2 > 0]

%pyspark obj2 UICA YUICI | Untitled | Untitled

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 %pyspark
 obj3 = Series(sdata)
 states = ['California', 'Ohio', 'Oregon', 'Texas']
 obj4 = Series(sdata, index=states)
 obj4
 pd.isnull(obj4)
 pd.notnull(obj4)
 obj4.isnull()
obj3
Ohio
          35000
Oregon
          16000
Texas
          71000
Utah
           5000
dtype: int64
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```
%pyspark
frame2
frame2.columns
frame2['state']
```

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 %pyspark
 frame3 = DataFrame(pop)
 frame3
 frame3.T
 pdata = {'Ohio': frame3['Ohio'][:-1],
          'Nevada': frame3['Nevada'][:2]}
 DataFrame(pdata)
 frame3.index.name = 'year'; frame3.columns.name = 'state'
 frame3
 frame3.values
 frame2.values
array([[2000, 'Ohio', 1.5, nan],
       [2001, 'Ohio', 1.7, -1.2],
       [2002, 'Ohio', 3.6, nan],
       [2001, 'Nevada', 2.4, -1.5],
       [2002, 'Nevada', 2.9, -1.7]], dtype=object)
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```

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default **→**