

Organizando DataFrames

In [19]:

```
import pandas as pd
```

In [20]:

```
data = [[1,2,3], [4,5,6], [7,8,9]]  
data
```

Out[20]:

```
[[1, 2, 3], [4, 5, 6], [7, 8, 9]]
```

In [21]:

```
list('321')
```

Out[21]:

```
['3', '2', '1']
```

In [22]:

```
df = pd.DataFrame(data, list('321'))  
df
```

Out[22]:

	0	1	2
3	1	2	3
2	4	5	6
1	7	8	9

In [23]:

```
df = pd.DataFrame(data, list('321'), list('zyx'))  
df
```

Out[23]:

	z	y	x
3	1	2	3
2	4	5	6
1	7	8	9

In [24]:



```
df.sort_index(inplace=True)
df
```

Out[24]:

	z	y	x
1	7	8	9
2	4	5	6
3	1	2	3

In [25]:



```
df.sort_index(inplace=True, axis=1)
df
```

Out[25]:

	x	y	z
1	9	8	7
2	6	5	4
3	3	2	1

In [26]:



```
df.sort_values(by='x', inplace=True)
df
```

Out[26]:

	x	y	z
3	3	2	1
2	6	5	4
1	9	8	7

In [27]:



```
df.sort_values(by='z', axis=1, inplace=True)
df
```

Out[27]:

	z	y	x
3	1	2	3
2	4	5	6
1	7	8	9

In [28]:



```
df.sort_values(by= ['x', 'y'], inplace=True)  
df
```

Out[28]:

	z	y	x
3	1	2	3
2	4	5	6
1	7	8	9

In [29]:



```
data_dois = [[9,6,3], [8,5,2], [7,4,1]]  
df_dois = pd.DataFrame(data_dois, list('zyx'), list('cba'))  
df_dois
```

Out[29]:

	c	b	a
z	9	6	3
y	8	5	2
x	7	4	1

In [32]:



```
df_dois.sort_index()
```

Out[32]:

	c	b	a
x	7	4	1
y	8	5	2
z	9	6	3

In [33]:



```
df_dois  
df_dois.sort_index(axis=1)  
df_dois
```

Out[33]:

	c	b	a
z	9	6	3
y	8	5	2
x	7	4	1

In []:

