Label and Position

Column Positions

0   1   2   3   4   5   6   7   8   9

df

	BOROUGH	NEIGHBORHOOD	BUILDING CLASS CATEGORY	TAX CLASS AT PRESENT	BLOCK	LOT	EASE-MENT	BUILDING CLASS AT PRESENT	ADDRESS	APARTMENT NUMBER
0	1	ALPHABET CITY	01 ONE FAMILY HOMES	1	376	43		S1	743 EAST 6TH STREET	
1	1	ALPHABET CITY	02 TWO FAMILY	1	373	1		S2	40 AVENUE	
2	1	Al								
3	1	Al								
4	1	Al								

Column Names (Labels)

Row Position

Row Index (Labels)

Task: select first 2 rows and first 2 columns

df.loc[,   ]
↑ row labels   ↑ col labels

df.iloc[,   ]
↑ row positions   ↑ col positions

df.loc[0:1 , ['BOROUGH', 'NEIGHBORHOOD']]   df.iloc[0:2 , 0:2]

Label and Position

df

Column **Positions**

0   1   2   3   4   5   6   7   8   9

Column names
(**Labels**)

0
1
2
3
4

Row **Positions**   Row index (**Labels**)

Task: select the first 2 rows and the first 2 columns

df.loc[,   ]

row Labels   col Labels

df.iloc[,   ]

row Positions   col Positions

df.loc[0:1 , ['HouseID' , 'CommunityID']]

df.iloc[0:2 , 0:2]

Label and Position

df

		HouseID	CommunityID	TotalPrice	TransYear	Bedroom	Livingroom	Bathroom	Size	FloorLevel	WinSouth	
0	**0**	BJCP85139027	1735	2080032.42	2012	3	2	2	124.62	3	1	...
1	**1**	BJCY84814525	2023	1440023.27	2012	1	1	1	48.37	4	1	...
2	**2**	BJHD61617745									1	...
3	**3**	BJCY00382544									1	...
4	**4**	BJCY84554915									1	...

Column **Positions** 0 1 2 3 4 5 6 7 8 9

Column names (Labels)

Row **Positions**

Row index (Labels)

Task: select the first 2 rows and the first 2 columns

df.loc[↑ , ↑ **]**

row Labels   col Labels

df.iloc[↑ , ↑ **]**

row Positions   col Positions

df.loc[0:1 , ['HouseID' , 'CommunityID']]

df.iloc[0:2 , 0:2]