Excel中的数据

	A	B	C	D	E	F
1	由邢不行整理，2020新版|Python数字货币量化投资课程示例文件					
2	candle_begin_time	open	high	low	close	volume
3	2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
4	2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.88238
5	2020-03-02 00:08:00+00:00	8505.9	8516.6	8505.6	8516.3	26.381863
6	2020-03-02 00:09:00+00:00	8516.2	8524.2	8515.1	8518.8	11.171636
7	2020-03-02 00:10:00+00:00	8518.9	8518.9	8508.7	8517	12.040533
8	2020-03-02 00:11:00+00:00	8516.9	8521.1	8516.2	8519.1	28.42881
9	2020-03-02 00:12:00+00:00	8519.1	8519.1	8512.3	8514.9	8.4824463
10	2020-03-02 00:13:00+00:00	8514.9	8520.1	8513.7	8520	4.1147711
11	2020-03-02 00:14:00+00:00	8520	8523.1	8519.2	8523.1	38.90774
12	2020-03-02 00:15:00+00:00	8523	8526.8	8523	8526.5	29.033615

DataFrame在终端的样子

	open	high	low	close	volume
candle_begin_time					
2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.882380
2020-03-02 00:08:00+00:00	8505.9	8516.6	8505.6	8516.3	26.381863
2020-03-02 00:09:00+00:00	8516.2	8524.2	8515.1	8518.8	11.171636
2020-03-02 00:10:00+00:00	8518.9	8518.9	8508.7	8517.0	12.040533
...	...	...	...	...	...
2020-03-02 23:55:00+00:00	8892.2	8906.5	8891.4	8898.8	59.016808
2020-03-02 23:56:00+00:00	8898.8	8906.7	8898.0	8898.2	47.985437

DataFrame

	open	high	low	close	volume
candle_begin_time					
2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.882380
20...		8516.6	8505.6	8516.3	26.381863
20...		8524.2	8515.1	8518.8	11.171636
20...		8518.9	8508.7	8517.0	12.040533
...		...	...	...	...
2020-03-02 23:55:00+00:00	8892.2	8906.5	8891.4	8898.8	59.016808
2020-03-02 23:56:00+00:00	8898.8	8906.7	8898.0	8898.2	47.985437

1. 开盘价、最高价等列的名字，都被称作是column

DataFrame

	open	high	low	close	volume
candle_begin_time					
2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.882380
2020-03-02 00:0				8516.3	26.381863
2020-03-02 00:			8515.1	8518.8	11.171636
2020-03-02 00:			8508.7	8517.0	12.040533
...	...	...	...	...	...
2020-03-02 23:55:00+00:00	8892.2	8906.5	8891.4	8898.8	59.016808
2020-03-02 23:56:00+00:00	8898.8	8906.7	8898.0	8898.2	47.985437

2. 'candle_begin_time'这一列，是行的名字，被称作是index

DataFrame

	open	high	low	close	volume
candle_begin_time					
2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.882380
2020-03-02 00:			5.6	8516.3	26.381863
2020-03-02 00:			5.1	8518.8	11.171636
2020-03-02 00:			8.7	8517.0	12.040533
...				...	...
2020-03-02 23:55:00+00:00	8892.2	8906.5	8891.4	8898.8	59.016808
2020-03-02 23:56:00+00:00	8898.8	8906.7	8898.0	8898.2	47.985437

3. column和index分别作为列和行的名字，被统称为这个表格的label

DataFrame

candle_begin_time	open	high	low	close	volume
	0	1	2	3	4
0 2020-03-02 00:06:00+00:00	8509.2	8509.2	8499.2	8499.2	25.300171
1 2020-03-02 00:07:00+00:00	8499.2	8507.8	8499.2	8505.9	23.882380
2 2020-03-02 00:08:00+					
3 2020-03-02 00:09:00+					
4 2020-03-02 00:10:00					
.....					
2020-03-02 23:55:00+					
2020-03-02 23:56:00+00:00	8898.8	8906.7	8898.0	8898.2	47.985437

4. 除了label之外，也可以将整个表格理解为一个矩阵，矩阵有行列编号。这个编号叫position，可以通过position来定位某个元素，比如[1, 3]就是8505.9