

```
df = pd.read_csv('filename.csv')
```

# To download a dataframe

```
df.to_csv('filename.csv')
```

# Access/Retrieve

	Rows	Columns
Indexing	X	✓ [ ], [ ]
Slicing	✓	X

# display first row

```
df[0] X
```

```
df[0:1] ✓
```

# display col

```
df['col'] ✓
```

```
df[['col1', 'col2']] ✓
```

```
df[:, 'col1': 'col3']
```

# loc [ ]

↓  
label (or) name  
based

and

i loc [ ]

↓  
Integer (or) number  
based

	0	1	2	
	Name	Age	Gender	
0				→ integer
1				→ label
2				
3				

↓  
integer  
or  
label

# df.loc[:, 'Name']

# display first row

```
df.iloc[0] → ✓
```

```
df.iloc[0:3] → first 3 rows
```

# display first columns

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

```
df.iloc[:, 0:3] → first 3 col
```

# `df.loc[:, 'Name']`

`df.iloc[:, 0] → 0 col`

`df.loc[:, 'Name' : 'Gender']`

# Set index of a dataframe

`df.set_index('colname')`

# `df[condition]`

↓

`df['col'] > value`  
`df['col'] < value`  
`df['col'] == value`

(or) `df.iloc[condition]`

`df.loc['condition']`