

Ques 05: How do I remove columns / rows from a pandas dataframe? ¶

```
In [1]: import pandas as pd
ufo_ds = pd.read_csv('http://bit.ly/uforeports')
ufo_ds.head()
```

```
Out[1]:
```

	City	Colors Reported	Shape Reported	State	Time
0	Ithaca	NaN	TRIANGLE	NY	6/1/1930 22:00
1	Willingboro	NaN	OTHER	NJ	6/30/1930 20:00
2	Holyoke	NaN	OVAL	CO	2/15/1931 14:00
3	Abilene	NaN	DISK	KS	6/1/1931 13:00
4	New York Worlds Fair	NaN	LIGHT	NY	4/18/1933 19:00

```
In [2]: ufo_ds.shape
```

```
Out[2]: (18241, 5)
```

```
In [3]: ufo_ds.columns
```

```
Out[3]: Index(['City', 'Colors Reported', 'Shape Reported', 'State', 'Time'], dtype='object')
```

```
In [4]: # We will drop the column : "Colors Reported"
# axis = 0 means row
# axis = 1 means column

ufo_ds.drop('Colors Reported', axis=1, inplace=True)
```

```
In [5]: ufo_ds.columns
```

```
Out[5]: Index(['City', 'Shape Reported', 'State', 'Time'], dtype='object')
```

```
In [6]: ufo_ds.head(3)
```

```
Out[6]:
```

	City	Shape Reported	State	Time
0	Ithaca	TRIANGLE	NY	6/1/1930 22:00
1	Willingboro	OTHER	NJ	6/30/1930 20:00
2	Holyoke	OVAL	CO	2/15/1931 14:00

```
In [7]: # Drop multiple columns
ufo_ds.drop(['City', 'Time'], axis=1, inplace=True)
```

```
In [8]: ufo_ds.head(3)
```

```
Out[8]:
```

	Shape Reported	State
0	TRIANGLE	NY
1	OTHER	NJ
2	OVAL	CO

Removing rows :

In [9]:

```
ufo_ds.drop([0, 1], axis = 0, inplace = True) # Index no of the rows
ufo_ds.head()
```

Out[9]:

	Shape Reported	State
2	OVAL	CO
3	DISK	KS
4	LIGHT	NY
5	DISK	ND
6	CIRCLE	CA