

```
In [1]: import pandas as pd
import numpy as np
```

```
In [2]: a = 5
d = 7
a*d
```

```
Out[2]: 35
```

```
In [3]: one = ['cat1', 'cat2', 'cat1', 'cat2']
two = [1, 3, 5, 7]
three = [8, 6, 4, 2]
df = pd.DataFrame(np.c_[one, two, three], columns=['cat', 'one', 'two'])
df
```

```
Out[3]:
```

	cat	one	two
0	cat1	1	8
1	cat2	3	6
2	cat1	5	4
3	cat2	7	2

```
In [4]: four = [0, 1, 0, 1]
df['four'] = four
df
```

```
Out[4]:
```

	cat	one	two	four
0	cat1	1	8	0
1	cat2	3	6	1
2	cat1	5	4	0
3	cat2	7	2	1