

# Function on multiple columns

November 6, 2020

## 1 Function on multiple columns

```
[1]: import seaborn as sns  
import pandas as pd
```

```
[2]: diamonds_df_exercise = sns.load_dataset('diamonds')
```

```
[3]: def is_desired(x):  
    bool_var = 'yes' if (x['cut']=='Ideal' and x['color']=='D') else 'no'  
    return bool_var
```

```
[4]: diamonds_df_exercise['desired']=diamonds_df_exercise.apply(is_desired, axis=1)  
diamonds_df_exercise.head()
```

```
[4]:
```

	carat	cut	color	clarity	depth	table	price	x	y	z	desired
0	0.23	Ideal	E	SI2	61.5	55.0	326	3.95	3.98	2.43	no
1	0.21	Premium	E	SI1	59.8	61.0	326	3.89	3.84	2.31	no
2	0.23	Good	E	VS1	56.9	65.0	327	4.05	4.07	2.31	no
3	0.29	Premium	I	VS2	62.4	58.0	334	4.20	4.23	2.63	no
4	0.31	Good	J	SI2	63.3	58.0	335	4.34	4.35	2.75	no

```
[ ]:
```