

```
import pandas as pd
```

```
from google.colab import files
uploaded = files.upload()
```

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Saving data.csv to data (1).csv

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

```
df.head()
```

	Country	Age	Salary	Purchased
0	France	44.0	72000.0	No
1	Spain	27.0	48000.0	Yes
2	Germany	30.0	54000.0	No
3	Spain	38.0	61000.0	No
4	Germany	40.0	NaN	Yes

```
pd.get_dummies(df.Country, drop_first=True)
```

	Germany	Spain
0	0	0
1	0	1
2	1	0
3	0	1
4	1	0
5	0	0
6	0	1
7	0	0
8	1	0
9	0	0

```
pd.get_dummies(df.Country, prefix='Country')
```

	Country_France	Country_Germany	Country_Spain
0	1	0	0
1	0	0	1
2	0	1	0
3	0	0	1
4	0	1	0
5	1	0	0
6	0	0	1
7	1	0	0
8	0	1	0
9	1	0	0

```
pd.get_dummies(df.Purchased, prefix='Purchased')
```

	Purchased_No	Purchased_Yes
0	1	0
1	0	1
2	1	0
3	1	0
4	0	1
5	0	1
6	1	0
7	0	1
8	1	0
9	0	1

```
Purchased_dummies = pd.get_dummies(df.Purchased, prefix='Purchased')
df = pd.concat([df, Purchased_dummies], axis=1)
df
```

	Country	Age	Salary	Purchased	Purchased_No	Purchased_Yes	Purchased_No	Purchased_Yes
0	France	44.0	72000.0	No	1	0	1	0
1	Spain	27.0	48000.0	Yes	0	1	0	1
2	Germany	30.0	54000.0	No	1	0	1	0
3	Spain	38.0	61000.0	No	1	0	1	0
4	Germany	40.0	NaN	Yes	0	1	0	1
5	France	35.0	58000.0	Yes	0	1	0	1
6	Spain	NaN	52000.0	No	1	0	1	0
7	France	48.0	79000.0	Yes	0	1	0	1
8	Germany	50.0	83000.0	No	1	0	1	0
9	France	37.0	67000.0	Yes	0	1	0	1

```
df = pd.get_dummies(df)
```

```
df
```

	Age	Salary	Country_France	Country_Germany	Country_Spain	Purchased_No	Purchased_Yes
0	44.0	72000.0	1	0	0	1	0
1	27.0	48000.0	0	0	1	0	1
2	30.0	54000.0	0	1	0	1	0
3	38.0	61000.0	0	0	1	1	0
4	40.0	NaN	0	1	0	0	1
5	35.0	58000.0	1	0	0	0	1
6	NaN	52000.0	0	0	1	1	0
7	48.0	79000.0	1	0	0	0	1
8	50.0	83000.0	0	1	0	1	0
9	37.0	67000.0	1	0	0	0	1

