ejemplo de regresion con tensorflow

In [1]:

```python
import pandas as pd
import tensorflow as tf
```

In [2]:

```python
pwd
```

Out[2]:

'C:\\Users\\SARA'

In [3]:

```python
cd Downloads
```

C:\Users\SARA\Downloads

In [4]:

```python
casas =pd.read_csv('original.csv')
```

In [5]:

```python
casas.head()
```

Out[5]:

	longitude	latitude	housing_median_age	total_rooms	total_bedrooms	population	househol
0	-114.31	34.19	15.0	5612.0	1283.0	1015.0	472
1	-114.47	34.40	19.0	7650.0	1901.0	1129.0	463
2	-114.56	33.69	17.0	720.0	174.0	333.0	117
3	-114.57	33.64	14.0	1501.0	337.0	515.0	226
4	-114.57	33.57	20.0	1454.0	326.0	624.0	262

In [6]:

```python
casas_x = casas.drop('median_house_value', axis=1)
```

In [7]:

```python
casas_x.head()
```

Out[7]:

	longitude	latitude	housing_median_age	total_rooms	total_bedrooms	population	househol
0	-114.31	34.19	15.0	5612.0	1283.0	1015.0	472
1	-114.47	34.40	19.0	7650.0	1901.0	1129.0	463
2	-114.56	33.69	17.0	720.0	174.0	333.0	117
3	-114.57	33.64	14.0	1501.0	337.0	515.0	226
4	-114.57	33.57	20.0	1454.0	326.0	624.0	262

In [11]:

```
casas_y = casas['median_house_value']
```

In [13]:

```
casas_y.head()
```

Out[13]:

```
0    66900.0
1    80100.0
2    85700.0
3    73400.0
4    65500.0
Name: median_house_value, dtype: float64
```

In [14]:

```
from sklearn.model_selection import train_test_split
```

In [17]:

```
x_train, x_test, y_train, y_test = train_test_split(datos_x, datos_y, test_size=0.30)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-17-83baf38cf4f9> in <module>
----> 1 x_train, x_test, y_train, y_test = train_test_split(datos_x, datos_y, test_size=0.30)

NameError: name 'datos_x' is not defined
```

In [18]:

```
x_train.head()
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-18-3c4ecc6cd86a> in <module>
----> 1 x_train.head()

NameError: name 'x_train' is not defined
```

In [ ]:

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