

# m06\_03\_apply\_map\_lambda\_parteII

April 19, 2021

## 1 Curso de Python do DS ao DEV

Comunidade DS - Meigarom Lopes

## 2 Modulo 06 - Módulo Avançado

## 3 Apply, Map, Lambda - Parte II

```
[6]: import pandas as pd

path = '/Users/meigarom.lopes/repos/python-ds-ao-dev/Module01/products_hm.csv'
df = pd.read_csv( path )

# product price - remove $
#df['product_price'] = df['product_price'].apply( lambda x: x.replace( '$ ', ' '
    ↳ '' ) if pd.notnull( x ) else x )

# product price - remove $ all columns
#df['product_price'] = df.apply( lambda x: x['product_price'].replace( '$ ', ' '
    ↳ ) if pd.notnull( x['product_price'] ) else x, axis=1 )

## product price - remove $ - both conditional
#df[['product_price', 'color_name']].apply( lambda x:
    ↳ x['product_price'].replace('$ ', ' ')
#
    ↳ if (pd.notnull(x['product_price']) )
    ↳ & (x['color_name']=='Gray')
#
    ↳ else x, axis=1 )

# product price - remove $ - sequential conditional
df[['product_price', 'color_name']].apply(
    lambda x: x if pd.isnull( x['product_price'] ) else x['product_price'].
    ↳ replace( '$ ', ' '
        ↳ if x['color_name'] == 'Gray' else x, axis=1 )
```

```
df.head()
```

```
[6]:
```

|   | product_id  | product_category | product_name | product_price | \ |
|---|-------------|------------------|--------------|---------------|---|
| 0 | 636207006.0 | men_jeans_slim   | Slim Jeans   | \$ 19.99      |   |
| 1 | 636207006.0 | men_jeans_slim   | Slim Jeans   | \$ 19.99      |   |
| 2 | 636207006.0 | men_jeans_slim   | Slim Jeans   | \$ 19.99      |   |
| 3 | 636207006.0 | men_jeans_slim   | Slim Jeans   | 19.99         |   |
| 4 | 636207006.0 | men_jeans_slim   | Slim Jeans   | \$ 19.99      |   |

  

|   | scrapy_datetime     | style_id | color_id | color_name       | fit      | size | \ |
|---|---------------------|----------|----------|------------------|----------|------|---|
| 0 | 2021-04-11 17:48:05 | 636207.0 | 6.0      | Dark denim blue  | Slim fit | NaN  |   |
| 1 | 2021-04-11 17:48:05 | 636207.0 | 6.0      | Dark gray denim  | Slim fit | NaN  |   |
| 2 | 2021-04-11 17:48:05 | 636207.0 | 6.0      | Denim blue       | Slim fit | NaN  |   |
| 3 | 2021-04-11 17:48:05 | 636207.0 | 6.0      | Gray             | Slim fit | NaN  |   |
| 4 | 2021-04-11 17:48:05 | 636207.0 | 6.0      | Light denim blue | Slim fit | NaN  |   |

  

|   | product safety | composition             |
|---|----------------|-------------------------|
| 0 | NaN            | Cotton 98%, Elastane 2% |
| 1 | NaN            | Cotton 98%, Elastane 2% |
| 2 | NaN            | Cotton 98%, Elastane 2% |
| 3 | NaN            | Cotton 98%, Elastane 2% |
| 4 | NaN            | Cotton 98%, Elastane 2% |