

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

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## 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%