

Python Pandas replace multiple columns zero to Nan

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List with attributes of persons loaded into pandas dataframe `df2`. For cleanup I want to replace value zero (`0` or `'0'`) by `np.nan`.

```
df2.dtypes
```

```
ID                object
Name              object
Weight            float64
Height            float64
BootSize          object
SuitSize          object
Type              object
dtype: object
```

Working code to set value zero to `np.nan`:

```
df2.loc[df2['Weight'] == 0, 'Weight'] = np.nan
df2.loc[df2['Height'] == 0, 'Height'] = np.nan
df2.loc[df2['BootSize'] == '0', 'BootSize'] = np.nan
df2.loc[df2['SuitSize'] == '0', 'SuitSize'] = np.nan
```

Believe this can be done in a similar/shorter way:

```
df2[["Weight", "Height", "BootSize", "SuitSize"]].astype(str).replace('0', np.nan)
```

However the above does not work. The zero's remain in `df2`. How to tackle this?

python

pandas

dataframe

data-cleaning

edited Mar 14 at 14:29



[DannyDannyDanny](#)

72 1 12

asked Jul 31 '17 at 13:01



[Wouter Dunnes](#)

25 1 1 6

1 Answer

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```
cols = ["Weight", "Height", "BootSi:  
df2[cols] = df2[cols].replace({'0
```

answered Jul 31 '17 at 13:04



jezrael

356k 26 321 397