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pandas get column average/mean

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I can't get the average or mean of a column in pandas. I have a dataframe. Neither of things I tried below gives me the average of the column `weight`

```
>>> allDF
      ID      birthyear  weight
0   619040         1962    0.1231231
1   600161         1963    0.981742
2  25602033         1963    1.3123124
3   624870         1987    0.94212
```

The following returns several values, not one:

```
allDF[['weight']].mean(axis=1)
```

So does this:

```
allDF.groupby('weight').mean()
```


[python](#)[pandas](#)

edited Dec 27 '16 at 13:50

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- 2 You should accept DSM's answer so this question does not remain unanswered – [EdChum](#) Jun 25 '15 at 7:46

Possible duplicate of [how to get the average of dataframe column values](#) – [Jeru Luke](#) Jul 24 '17 at 10:31

`df.groupby('weight')` wasn't what you wanted, because it split the df into separate columns, each with a distinct value of weight. Instead of just `df['weight'].mean()` – [smci](#) Feb 16 at 8:41 

3 Answers

If you only want the mean of the `weight` column, select the column (which is a Series) and call `.mean()` :

In [479]: `df`

Out[479]:

	ID	birthyear	weight
0	619040	1962	0.123123
1	600161	1963	0.981742
2	25602033	1963	1.312312
3	624870	1987	0.942120

In [480]: `df["weight"].mean()`

Out[480]: `0.83982437500000007`

answered Jun 24 '15 at 21:26



DSM

192k

30

363

344

and what if I wanted to get a mean of each and every column? – [Chris](#) Jun 11 at 14:55

@Chris `df.describe()` – [Abhishek Poojary](#) Aug 1 at 17:20 

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Do try to give `print (df.describe())` a shot. I hope it will be very helpful to get an overall description of your dataframe.

answered May 8 at 6:14



[nainometer](#)

86 11

Try `df.mean(axis=0)` , `axis=0` argument calculates the column wise mean of the dataframe so the result will be

`axis=1` is row wise mean so you are getting multiple values

answered Aug 8 at 16:38



[Chandu](#)

1

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