

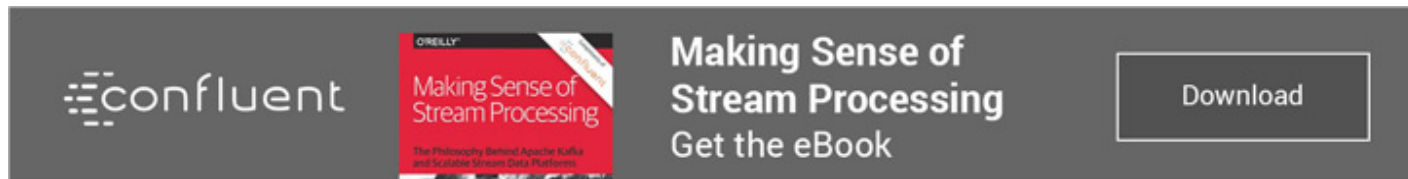
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Convert commas to dots within a Dataframe



I am importing a csv file looking like the one below. Using the `pandas.read_csv`

```
df = pd.read_csv(Input, delimiter=";")
```

...

```
10;01.02.2015 16:58;01.02.2015 16:58;-0.59;0.1;-4.39;NotApplicable;0.79;0.2
```

```
11;01.02.2015 16:58;01.02.2015 16:58;-0.57;0.2;-2.87;NotApplicable;0.79;0.21
```

...

The problem is that when I later on in my code try to use these values I get this error : `TypeError: can't multiply sequence by non-int of type 'float'`.

I get this error because the number I try to use is not written with a dot(.) as a decimal separator but a comma(,). After manually changing the

commas to a dots my program works.

I can't change the format of my input, and thus have to replace the commas in my DataFrame in order for my code to work, and I want python to do this without the need of doing it manually. Do you have any suggestions?

python pandas

edited Jul 29 '15 at 12:48



EdChum

73k 15 68 89

asked Jul 29 '15 at 12:40



Nautilus

61 5

1 Did you try `df = pd.read_csv("data.csv", decimal=".", delimiter=";")` – [Padraic Cunningham](#) Jul 29 '15 at 12:43

No haven't tried that, fairly new to Python. I'll give it a try ty :) – [Nautilus](#) Jul 29 '15 at 12:45

Sorry I don't understand your csv is formatted using decimal points so it should come in as floats, can you show your code that doesn't like the float dtype, you can change the dtype using `astype(int)` on the column – [EdChum](#) Jul 29 '15 at 12:46

1 Ty Padric Cunningham, that did the trick :D – [Nautilus](#) Jul 29 '15 at 12:48

1 Answer

`pandas.read_csv` has a `decimal` parameter for this: [doc](#)

I.e. try with:

```
df = pd.read_csv(Input, delimiter=";", decimal=",")
```

answered Jul 29 '15 at 12:44



stellasia

1,014 3 16

Ty, did the trick. – [Nautilus](#) Jul 29 '15 at 12:50

