Pandas Write CSV File | Mastering In Python Pandas Library

BY INDIAN AI PRODUCTION / ON JULY 20, 2019 / IN PYTHON PANDAS TUTORIAL

Write csv file means to do some operations for data preprocessing or data cleaning.Data preprocessing is a data mining technique that involves transforming raw data into an understandable format.

How to Write CSV File in Python

Here we will discuss about pentameters of pd.read_csv function

```
import pandas as pd
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv')
df
```

```
Output >>>

    ID  Name            Industry            Inception   Revenue
0   1   Lamtone         IT Services         2009        $11,757,
1   2   Stripfind       Financial           2010        $12,329,
2   3   Canecorporation Health              2012        $10,597,
3   4   Mattouch        IT Services         2013        $14,026,
4   5   Techdrill       Health              2009        $10,573,
5   6   Techline        Health              2006        $13,898,
6   7   Cityace         Health              2010        $9,254,6
7   8   Kayelectro      Health              2009        $9,451,9
8   9   Ganzlax         IT Services         2011        $14,001,
9   10  Trantraxlax     Government Services 2011        $11,088,
```

To know the type of the dataset use type function

```
type(df)
```

```
Output >>>   pandas.core.frame.DataFrame
```

This dataset is dataframe type

To know all the columns name

```
df.columns
```

```
Output >>>   Index(['ID', 'Name', 'Industry', 'Inception', 'Reven
       'Growth'],
      dtype='object')
```

If you want to read some specific rows of the dataset use nrows parameters

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    ID  Name    Industry    Inception   Revenue       Expenses
0   1   Lamtone IT Services 2009        $11,757,018  6,482,465 Do
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    ID  Name            Industry            Inception   Revenue
0   1   Lamtone         IT Services         2009        $11,757,0
1   2   Stripfind       Financial           2010        $12,329,3
2   3   Canecorporation Health              2012        $10,597,0
3   4   Mattouch        IT Services         2013        $14,026,9
4   5   Techdrill       Health              2009        $10,573,9
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    ID
0   1
1   2
2   3
3   4
4   5
5   6
6   7
7   8
8   9
9   10
```

```
df2 = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv'
df2
```

```
Output >>>
    ID  Name
0   1   Lamtone
1   2   Stripfind
2   3   Canecorporation
3   4   Mattouch
4   5   Techdrill
5   6   Techline
6   7   Cityace
7   8   Kayelectronics
8   9   Ganzlax
9   10  Trantraxlax
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>

```

```
     Name            Industry
0    Lamtone         IT Services
1    Stripfind       Financial Services
2    Canecorporation Health
3    Mattouch        IT Services
4    Techdrill       Health
5    Techline        Health
6    Cityace         Health
7    Kayelectronics  Health
8    Ganzlax         IT Services
9    Trantraxlax     Government Services
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>

     Industry            Revenue       Profit
0    IT Services         $11,757,018   5274553
1    Financial Services  $12,329,371   11412916
2    Health              $10,597,009   3005820
3    IT Services         $14,026,934   6597557
4    Health              $10,573,990   3138627
5    Health              $13,898,119   8427816
6    Health              $9,254,614    3005116
7    Health              $9,451,943    5573830
8    IT Services         $14,001,180   11901180
9    Government Services $11,088,336   5453060
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv')
df
```

```
Output >>>
     0   1              2                3           4
     ID  Name           Industry         Inception   Revenue
0    1   Lamtone        IT Services      2009        $11,757,
1    2   Stripfind      Financial        2010        $12,329,
2    3   Canecorporation Health          2012        $10,597,
```

```
7   3   4   Mattouch         IT Services          2013         $14,026,
8   4   5   Techdrill        Health               2009         $10,573,
9   5   6   Techline         Health               2006         $13,898,
10  6   7   Cityace          Health               2010         $9,254,6
11  7   8   Kayelectro       Health               2009         $9,451,9
12  8   9   Ganzlax          IT Services          2011         $14,001,
13  9   10  Trantraxlax      Government Services  2011         $11,088,
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>

    ID  Name             Industry             Inception   Employee
0   1   Lamtone          IT Services          2009        55
1   2   Stripfind        Financial            2010        25
2   3   Canecorporation  Health               2012        6
3   4   Mattouch         IT Services          2013        6
4   5   Techdrill        Health               2009        9
5   6   Techline         Health               2006        65
6   7   Cityace          Health               2010        25
7   8   Kayelectro       Health               2009        687
8   9   Ganzlax          IT Services          2011        75
9   10  Trantraxlax      Government Services  2011        35
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    1   Lamtone          IT Services          2009    $11,757,018
0   2   Stripfind        Financial Services   2010    $12,329,371
1   3   Canecorporation  Health               2012    $10,597,009
2   4   Mattouch         IT Services          2013    $14,026,934
3   5   Techdrill        Health               2009    $10,573,990
4   6   Techline         Health               2006    $13,898,119
5   7   Cityace          Health               2010    $9,254,614
```

```
9   6   8   Kayelectronics  Health              2009    $9,451,943
10  7   9   Ganzlax         IT Services         2011    $14,001,180
11  8   10  Trantraxlax     Government Services 2011    $11,088,336
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    0   1               2                   3           4
0   ID  Name            Industry            Inception   Employee
1   1   Lamtone         IT Services         2009        55
2   2   Stripfind       Financial           2010        25
3   3   Canecorporation Health              2012        6
4   4   Mattouch        IT Services         2013        6
5   5   Techdrill       Health              2009        9
6   6   Techline        Health              2006        65
7   7   Cityace         Health              2010        25
8   8   Kayelectro      Health              2009        687
9   9   Ganzlax         IT Services         2011        75
10  10  Trantraxlax     Government Services 2011        35
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df
```

```
Output >>>
    ID  Name            Industry            Inception   Employee
0   1   Lamtone         IT Services         2009        55
1   2   Stripfind       Financial           2010        25
2   3   Canecorporation Health              2012        6
3   4   Mattouch        IT Services         2013        6
4   5   Techdrill       Health              2009        9
5   6   Techline        Health              2006        65
6   7   Cityace         Health              2010        25
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8   9   Ganzlax         IT Services         2011        75
9   10  Trantraxlax     Government Services 2011        35
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df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
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```
Output >>>
    0   1               2                    3       4
0   1   Lamtone         IT Services          2009    $11,757,018
1   2   Stripfind       Financial Services   2010    $12,329,371
2   3   Canecorporation Health               2012    $10,597,009
3   4   Mattouch        IT Services          2013    $14,026,934
4   5   Techdrill       Health               2009    $10,573,990
5   6   Techline        Health               2006    $13,898,119
6   7   Cityace         Health               2010    $9,254,614
7   8   Kayelectronics  Health               2009    $9,451,943
8   9   Ganzlax         IT Services          2011    $14,001,180
9   10  Trantraxlax     Government Services  2011    $11,088,336
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    ID  Name            Industry             Inception   Revenue
0   3   Canecorporation Health               2012        $10,597,
1   4   Mattouch        IT Services          2013        $14,026,
2   5   Techdrill       Health               2009        $10,573,
3   6   Techline        Health               2006        $13,898,
4   7   Cityace         Health               2010        $9,254,6
5   8   Kayelectronics  Health               2009        $9,451,9
6   9   Ganzlax         IT Services          2011        $14,001,
7   10  Trantraxlax     Government Services  2011        $11,088,
```

```
df1 = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv'
df1
```

```
Output >>>
```

```
    ID  Name            Industry            Inception   Revenue
0   1   Lamtone         IT Services         2009        $11,757,
1   2   Stripfind       Financial           2010        $12,329,
2   3   Canecorporation Health              2012        $10,597,
3   4   Mattouch        IT Services         2013        $14,026,
4   5   Techdrill       Health              2009        $10,573,
5   6   Techline        Health              2006        $13,898,
6   7   Cityace         Health              2010        $9,254,6
7   8   Kayelectro      Health              2009        $9,451,9
8   9   Ganzlax         IT Services         2011        $14,001,
9   10  Trantraxlax     Government Services 2011        $11,088,
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    Name            Industry            Inception   Employees

ID
1   Lamtone         IT Services         2009        55
2   Stripfind       Financial           2010        25
3   Canecorporation Health              2012        6
4   Mattouch        IT Services         2013        6
5   Techdrill       Health              2009        9
6   Techline        Health              2006        65
7   Cityace         Health              2010        25
8   Kayelectro      Health              2009        687
9   Ganzlax         IT Services         2011        75
10  Trantraxlax     Government Services 2011        35
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
    Name            Industry            Inception   Employees
```

```
                                                                    
ID                                                                  
1   Lamtone          IT Services          2009        55            
2   Stripfind        Financial            2010        25            
3   Canecorporation  Health               2012        6             
4   Mattouch         IT Services          2013        6             
5   Techdrill        Health               2009        9             
6   Techline         Health               2006        65            
7   Cityace          Health               2010        25            
8   Kayelectro       Health               2009        687           
9   Ganzlax          IT Services          2011        75            
10  Trantraxlax      Government Services  2011        35
```

```
df = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv',
df
```

```
Output >>>
                  ID  Industry                Inception   Revenue
Name
Lamtone           1   IT Services             2009        $11,757,
Stripfind         2   Financial Services      2010        $12,329,
Canecorporation   3   Health                  2012        $10,597,
Mattouch          4   IT Services             2013        $14,026,
Techdrill         5   Health                  2009        $10,573,
Techline          6   Health                  2006        $13,898,
Cityace           7   Health                  2010        $9,254,6
Kayelectronics    8   Health                  2009        $9,451,9
Ganzlax           9   IT Services             2011        $14,001,
Trantraxlax       10  Government Services     2011        $11,088,
```

```
df1 = pd.read_csv('F:\\Machine Learning\\DataSet\\Fortune_10.csv'
df1
```

```
Output >>>
                  ID  Name             Inception  Revenue
Industry
```

```
IT Services          1   Lamtone           2009        $11,757,018
Financial Services   2   Stripfind         2010        $12,329,371
Health               3   Canecorporation   2012        $10,597,009
IT Services          4   Mattouch          2013        $14,026,934
Health               5   Techdrill         2009        $10,573,990
Health               6   Techline          2006        $13,898,119
Health               7   Cityace           2010        $9,254,614
Health               8   Kayelectronics    2009        $9,451,943
IT Services          9   Ganzlax           2011        $14,001,180
Government Services  10  Trantraxlax       2011        $11,088,336
```

To Download dataset click here – Fortune_10

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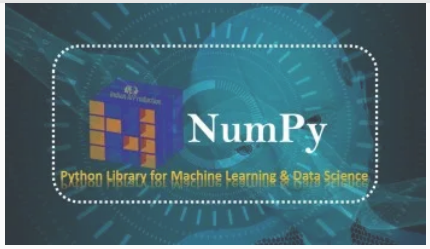

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