

Debrato_PE_83_Week4_csv

February 7, 2025

```
[24]: #Debrato Ghosh  
      #240953708  
      #PE 83  
      #Week_4_Data_loading
```

```
[2]: import numpy as np  
      import pandas as pd
```

```
[4]: df1 = pd.read_csv("examples/ex1.csv")  
      df1
```

```
[4]:   a  b  c  d message  
0  1  2  3  4  hello  
1  5  6  7  8  world  
2  9 10 11 12   foo
```

```
[7]: df2=pd.read_csv("examples/ex2.csv", header=None)  
      df2
```

```
[7]:   0  1  2  3  4  
0  1  2  3  4  hello  
1  5  6  7  8  world  
2  9 10 11 12   foo
```

```
[8]: df2=pd.read_csv("examples/ex2.csv", names=["a", "b", "c", "d", "message"])  
      df2
```

```
[8]:   a  b  c  d message  
0  1  2  3  4  hello  
1  5  6  7  8  world  
2  9 10 11 12   foo
```

```
[10]: df3 = pd.read_csv("examples/ex3.csv")  
      df3
```

```
[10]:   A  B  C  
0  aaa -0.264438 -1.026059 -0.619500
```

```

1 bbb 0.927272 0.302904 -0.032399
2 ccc -0.264273 -0.386314 -0.217601
3 ddd -0.871858 -0.348382 1.100491

```

```
[12]: pd.isna(df3)
```

```

[12]:      A      B      C
0      False
1      False
2      False
3      False

```

```
[13]: df3.isna()
```

```

[13]:      A      B      C
0      False
1      False
2      False
3      False

```

```
[15]: xlsx = pd.ExcelFile("examples/ex1.xlsx")
xlsx
```

```
[15]: <pandas.io.excel._base.ExcelFile at 0x7c88c8c0e3c0>
```

```
[16]: xlsx.sheet_names
```

```
[16]: ['Sheet1']
```

```
[17]: df_mrks1=xlsx.parse(sheet_name="Sheet1")
df_mrks1
```

```

[17]:      Unnamed: 0  a  b  c  d message
0      0  1  2  3  4  hello
1      1  5  6  7  8  world
2      2  9 10 11 12  foo

```

```
[20]: df_mrks3=xlsx.parse(sheet_name="Sheet1", index_col=0)
df_mrks3
```

```

[20]:      a  b  c  d message
0  1  2  3  4  hello
1  5  6  7  8  world
2  9 10 11 12  foo

```

```
[21]: frame1 = pd.read_excel("examples/ex1.xlsx", sheet_name="Sheet1")
frame1
```

```
[21]:      Unnamed: 0  a    b    c    d message
      0          0  1    2    3    4    hello
      1          1  5    6    7    8    world
      2          2  9   10   11   12     foo
```

```
[23]: frame1.to_excel("Mrks2.xlsx")
```