lec3_step4

November 30, 2022

[ ]:
```
## Python basics for novice data scientists, supported by Wagatsuma Lab@Kyutech
#
# The MIT License (MIT): Copyright (c) 2020 Hiroaki Wagatsuma and Wagatsuma␣
 ↪Lab@Kyutech
#
# Permission is hereby granted, free of charge, to any person obtaining a copy␣
 ↪of this software and associated documentation files (the "Software"), to␣
 ↪deal in the Software without restriction, including without limitation the␣
 ↪rights to use, copy, modify, merge, publish, distribute, sublicense, and/or␣
 ↪sell copies of the Software, and to permit persons to whom the Software is␣
 ↪furnished to do so, subject to the following conditions:
# The above copyright notice and this permission notice shall be included in␣
 ↪all copies or substantial portions of the Software.
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR␣
 ↪IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,␣
 ↪FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE␣
 ↪AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER␣
 ↪LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING␣
 ↪FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS␣
 ↪IN THE SOFTWARE. */
#
# # @Time    : 2020-11-30
# # @Author  : Hiroaki Wagatsuma
# # @Site    : https://github.com/hirowgit/2A1_python_intermediate_course
# # @IDE     : Python 3.9.14 (main, Sep  6 2022, 23:29:09) [Clang 13.1.6␣
 ↪(clang-1316.0.21.2.5)] on darwin
# # @File    : lec3_step4.py
```

[6]:
```
import numpy as np
import os
```

[8]:
```
datafol='ShippingData'
MasterF='ORDER_20201208_newClassNum_corr.csv'
Line_F='LOC_LINE.csv'
ProductivityF='PRODUCTIVITY.csv'
os.path.join(datafol, MasterF)
```

[8]:
```
'ShippingData/ORDER_20201208_newClassNum_corr.csv'
```

[13]:
```
pwd
```

[13]:
```
'/Users/hiro/Documents/github/2A1_python_intermediate_course'
```

[12]:
```
L_Info=np.loadtxt(os.path.join(datafol,Line_F), delimiter=',', dtype='int64')
# Mdat=np.loadtxt(fuos.path.joinllfile(datafol,MasterF))
# Prod_Info=np.loadtxt(os.path.join(datafol,ProductivityF))
```

```
---------------------------------------------------------------------------
OSError                                   Traceback (most recent call last)
/var/folders/mg/w5t8lkhc8xj79f001s7kzpfh0000gp/T/ipykernel_23638/3928839866.py␣
 ↪in <module>
----> 1 L_Info=np.loadtxt(os.path.join(datafol,Line_F), delimiter=',',␣
 ↪dtype='int64')
      2 # Mdat=np.loadtxt(fuos.path.joinllfile(datafol,MasterF))
      3 # Prod_Info=np.loadtxt(os.path.join(datafol,ProductivityF))

/usr/local/lib/python3.9/site-packages/numpy/lib/npyio.py in loadtxt(fname,␣
 ↪dtype, comments, delimiter, converters, skiprows, usecols, unpack, ndmin,␣
 ↪encoding, max_rows, like)
   1065             fname = os_fspath(fname)
   1066         if _is_string_like(fname):
-> 1067             fh = np.lib._datasource.open(fname, 'rt', encoding=encoding
   1068             fencoding = getattr(fh, 'encoding', 'latin1')
   1069             fh = iter(fh)

/usr/local/lib/python3.9/site-packages/numpy/lib/_datasource.py in open(path,␣
 ↪mode, destpath, encoding, newline)
    191
    192     ds = DataSource(destpath)
--> 193     return ds.open(path, mode, encoding=encoding, newline=newline)
    194
    195

/usr/local/lib/python3.9/site-packages/numpy/lib/_datasource.py in open(self,␣
 ↪path, mode, encoding, newline)
    531                                     encoding=encoding, newline=newlin )
    532         else:
--> 533             raise IOError("%s not found." % path)
    534
    535

OSError: ShippingData/LOC_LINE.csv not found.
```

[5]:
```
allData = np.loadtxt('ORDER_20201208.csv', delimiter=',', dtype='int64')
```

```
---------------------------------------------------------------------------
OSError                                   Traceback (most recent call last)
/var/folders/mg/w5t8lkhc8xj79f001s7kzpfh0000gp/T/ipykernel_23638/317202758.py i␣
 ↪<module>
----> 1 allData = np.loadtxt('ORDER_20201208.csv', delimiter=',', dtype='int64'

/usr/local/lib/python3.9/site-packages/numpy/lib/npyio.py in loadtxt(fname,␣
 ↪dtype, comments, delimiter, converters, skiprows, usecols, unpack, ndmin,␣
 ↪encoding, max_rows, like)
   1065             fname = os_fspath(fname)
   1066         if _is_string_like(fname):
-> 1067             fh = np.lib._datasource.open(fname, 'rt', encoding=encoding
   1068             fencoding = getattr(fh, 'encoding', 'latin1')
   1069             fh = iter(fh)

/usr/local/lib/python3.9/site-packages/numpy/lib/_datasource.py in open(path,␣
 ↪mode, destpath, encoding, newline)
    191
    192     ds = DataSource(destpath)
--> 193     return ds.open(path, mode, encoding=encoding, newline=newline)
    194
    195

/usr/local/lib/python3.9/site-packages/numpy/lib/_datasource.py in open(self,␣
 ↪path, mode, encoding, newline)
    531                                     encoding=encoding, newline=newlin )
    532         else:
--> 533             raise IOError("%s not found." % path)
    534
    535

OSError: ORDER_20201208.csv not found.
```

[ ]: