原 windows python3库pydot运行出现：FileNotFoundError: [WinError 2] "dot" not found in path.

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测试代码：

```
from sklearn.datasets import load_iris
from sklearn import tree
iris = load_iris()
clf = tree.DecisionTreeClassifier()
clf = clf.fit(iris.data, iris.target)
from sklearn.externals.six import StringIO
import pydot
dot_data = StringIO()
tree.export_graphviz(clf, out_file=dot_data)
graph = pydot.graph_from_dot_data(dot_data.getvalue())
graph[0].write_dot('iris_simple.dot')
graph[0].write_png('iris_simple.png')
```

报错：

```
Traceback (most recent call last):
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\site-packages\pydot.py", line 1914, in create
    working_dir=tmp_dir,
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\site-packages\pydot.py", line 136, in call_graphviz
    **kwargs
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\subprocess.py", line 676, in __init__
    restore_signals, start_new_session)
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\subprocess.py", line 957, in _execute_child
    startupinfo)
FileNotFoundError: [WinError 2] 系统找不到指定的文件。
```

During handling of the above exception, another exception occurred:
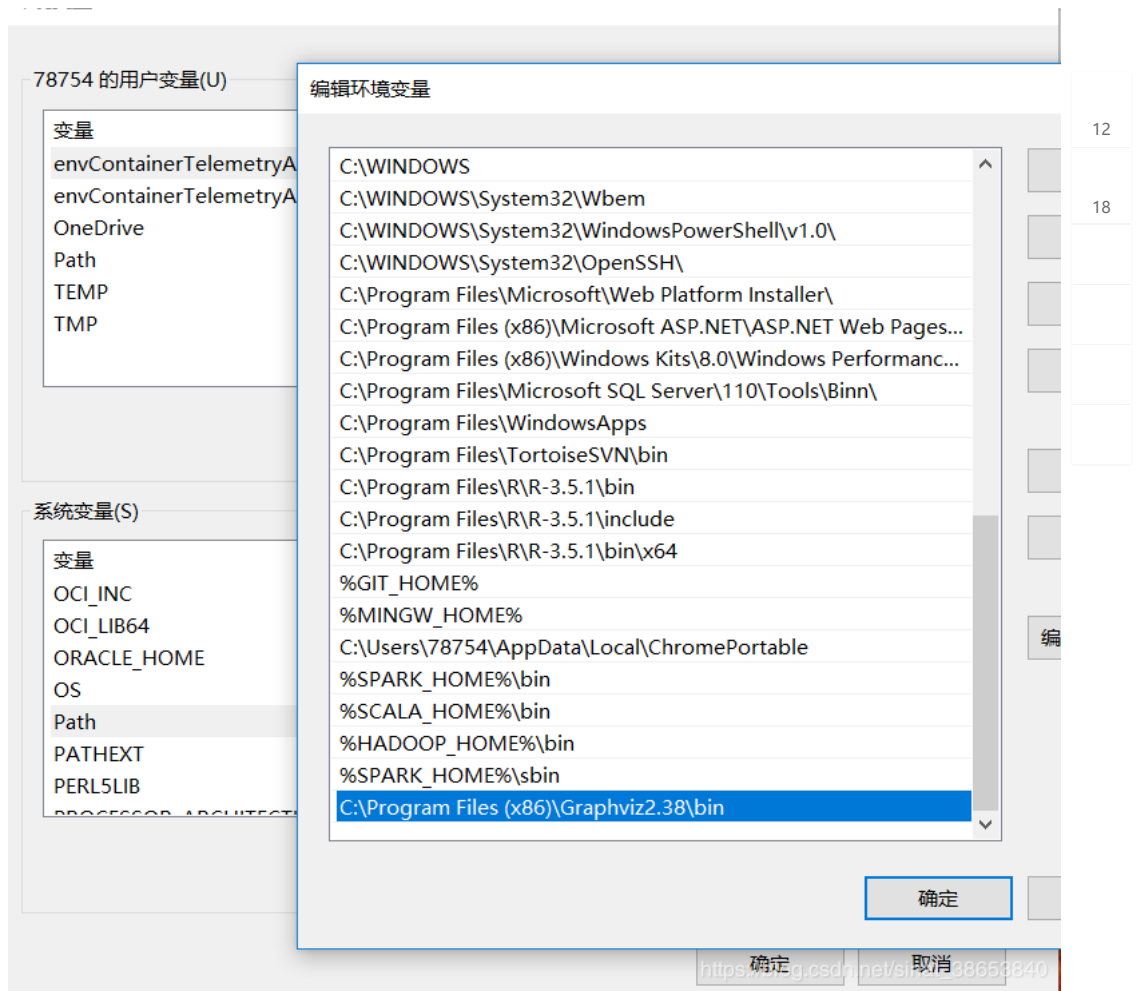
```
Traceback (most recent call last):
  File "D:\workspace python\ssd_py_server\src\test.py", line 437, in <module>
    DTtest()
  File "D:\workspace python\ssd_py_server\src\test.py", line 435, in DTtest
    graph[0].write_png('iris_simple.png')
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\site-packages\pydot.py", line 1734, in new_method
    encoding=encoding)
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\site-packages\pydot.py", line 1817, in write
    s = self.create(prog, format, encoding=encoding)
  File "C:\Users\78754\AppData\Local\conda\conda\envs\tensorflow\lib\site-packages\pydot.py", line 1921, in create
    raise OSError(*args)
FileNotFoundError: [WinError 2] "dot" not found in path.
```

解决办法：

安装软件：graphviz-2.38.msi

配置环境变量：

测试之后还是报错，后来发现，错误提示是找不到"dot"程序，而不是"dot.exe"程序，这就好办了，找到pydot的源码，在pydot.py中找到类Dot

```python
class Dot(Graph):
    """A container for handling a dot language file.

    This class implements methods to write and process
    a dot language file. It is a derived class of
    the base class 'Graph'.
    """


    def __init__(self, *argsl, **argsd):
        Graph.__init__(self, *argsl, **argsd)

        self.shape_files = list()
        self.formats = [
            'canon', 'cmap', 'cmapx',
            'cmapx_np', 'dia', 'dot',
            'fig', 'gd', 'gd2', 'gif',
            'hpgl', 'imap', 'imap_np', 'ismap',
            'jpe', 'jpeg', 'jpg', 'mif',
            'mp', 'pcl', 'pdf', 'pic', 'plain',
            'plain-ext', 'png', 'ps', 'ps2',
            'svg', 'svgz', 'vml', 'vmlz',
            'vrml', 'vtx', 'wbmp', 'xdot', 'xlib']

        self.prog = 'dot'

        # Automatically creates all
        # the methods enabling the creation
        # of output in any of the supported formats.
```

修改self.prog = 'dot'为self.prog = 'dot.exe'，之后测试，成功运行例子