

User Guide

1: Download the files

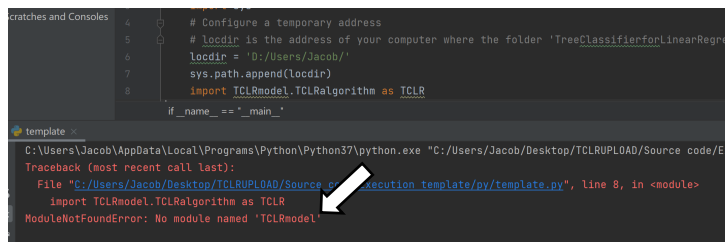
folder **TCLRmodel** is under the folder **Source code**



2: Run template code

running it directly will produce an error of **no model**

you need to assign the local path of folder **TCLRmodel**



Run the following codes

```
>>> import os
```

```
>>> print(os.getcwd())
```

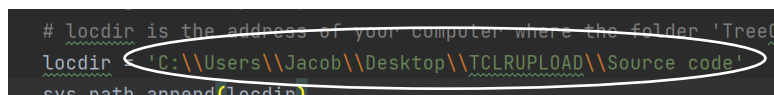
It will print out the current dir.

'C:\Users\Jacob\Desktop\TCLRUPLOAD\Source code\Execution template'

The folder **TCLRmodel** is under the dir. of:

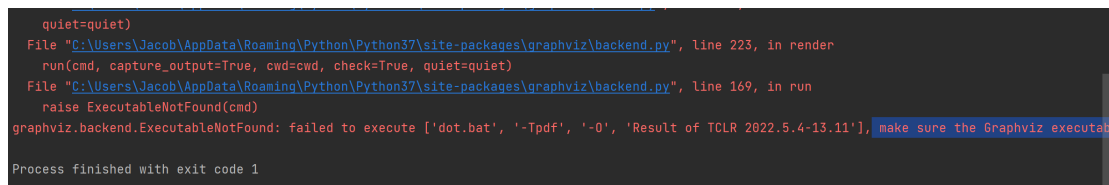
'C:\Users\Jacob\Desktop\TCLRUPLOAD\Source code'

Update the **locdir** as 'C:\\Users\\Jacob\\Desktop\\TCLRUPLOAD\\Source code', as shown in the following figure

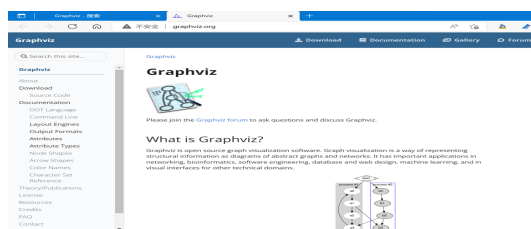


3: Download and install graphviz

Re-run the code will give a reminder that 'no graphviz'



Download graphviz at the official website <http://www.graphviz.org/>



Take windows 64 as an example:

Download and install it, please make sure to choose the option of add it to the computer system environment.

Windows

- Stable Windows install packages:
 - graphviz-3.0.0
 - graphviz-3.0.0 (32-bit) EXE installer [sha256]
 - graphviz-3.0.0 (64-bit) EXE installer [sha256]
 - graphviz-3.0.0 (32-bit) ZIP archive [sha256] (contains all tools and
 - graphviz-2.50.0
 - graphviz-2.50.0 (32-bit) EXE installer [sha256]
 - graphviz-2.50.0 (64-bit) EXE installer [sha256]
 - graphviz-2.50.0 (32-bit) ZIP archive [sha256] (contains all tools and

4: Check the installation of graphviz

Run the code at your CMD

```
>>> dot -version
```

If show that,



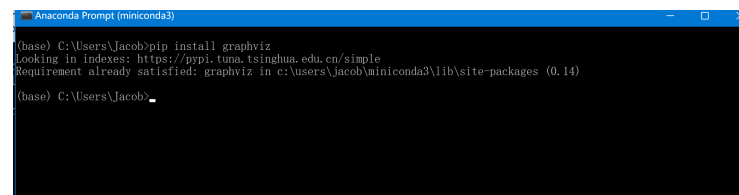
```
base) C:\Users\Jacob>dot -version
dot - graphviz version 2.38.0 (20140413.2041)
libdir = "C:\Users\Jacob\miniconda3\Library\bin\graphviz"
activated plugin library: gvplugin_dot_layout.dll
sing layout: dot:dot_layout
activated plugin library: gvplugin_core.dll
sing render: dot:core
sing device: dot:dot:core
the plugin configuration file:
C:\Users\Jacob\miniconda3\Library\bin\graphviz\config6
was successfully loaded.
render : cairo dot fig gd gdipplus map pic pov ps svg tk vml vrml xdot
layout : circo dot fdp neato nop nop1 nop2 osage patchwork sfdp twopi
textlayout : textlayout
device : bmp canon cmap cmapx cmapx_np dot emf emfplus eps fig gd gd2 gif gv imap imap_np ismap jpe jpeg jpg m
tafile pdf pic plain plain-ext png pov ps ps2 svg svz tif tiff tk vml vmlz vrml wtmp xdot xdotl.2 xdotl.4
loadimage : (lib) bmp eps gd gd2 gif jpe jpeg jpg png ps svg
```

Continue to run the next code at your CMD

```
>>> pip install graphviz
```

If show that,

Graphviz has been installed



```
base) C:\Users\Jacob>pip install graphviz
Looking in indexes: https://pypi.tuna.tsinghua.edu.cn/simple
Requirement already satisfied: graphviz in c:\users\jacob\miniconda3\lib\site-packages (0.14)
base) C:\Users\Jacob>
```

5: Re-run TCLR template

It will produce a result document in pdf form.

To install graphviz on Mac OS, follow these steps:

1.Download MacPorts package at the official website: <https://www.macports.org/install.php>, and install downloaded MacPorts package.

2. After installed MacPorts, run the code at your terminal:

```
>>>sudo port install graphviz
```

3. Continue to run the next code at your terminal :

```
>>> pip install graphviz
```

Graphviz has been installed on Mac OS.