

# User Guide

## 1: Install TCLR

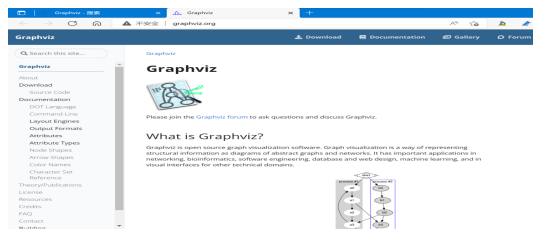
Run the code at your Terminal

```
>>> pip install TCLR
```

```
(base) jacob@192 ~ % pip install TCLR
Requirement already satisfied: TCLR in /opt/anaconda3/lib/python3.9/site-packages (1.3.10)
Requirement already satisfied: graphviz in /opt/anaconda3/lib/python3.9/site-packages (from TCLR) (0.19.2)
Requirement already satisfied: scipy in /opt/anaconda3/lib/python3.9/site-packages (from TCLR) (1.7.1)
Requirement already satisfied: minepy in /opt/anaconda3/lib/python3.9/site-packages (from TCLR) (1.2.6)
Requirement already satisfied: numpy>=1.3.0 in /opt/anaconda3/lib/python3.9/site-packages (from minepy->TCLR) (1.20.3)
```

## 2: Download and install 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

## 3: Check the installation of graphviz

Run the code at your CMD

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

If show that,

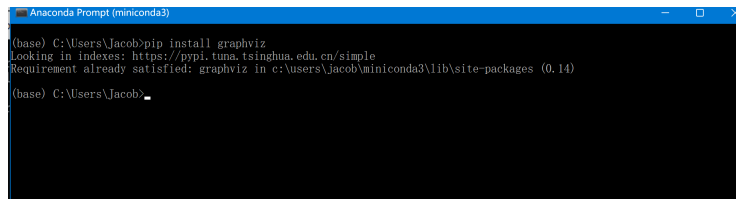
```
Anaconda Prompt (miniconda3) - dot -version
(base) C:\Users\Jacob>dot -version
dot = graphviz version 2.38.0 (20140413.2041)
ibdir = "C:\Users\Jacob\miniconda3\Library\bin\graphviz"
activated plugin library: gvplugin_dot_layout.dll
sing layout: dot:dot_layout
activated plugin library: gvplugin_core.dll
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 gdiplus 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 svgz tif tiff tk vml vmlz vrml wtmp xdot xdot1.2 xdot1.4
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

A screenshot of an Anaconda Prompt window titled "Anaconda Prompt (miniconda3)". The window shows a command prompt with the following text: (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), and (base) C:\Users\Jacob>. The prompt is on a black background with white text.

4: run TCLR template

Note:

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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 code at your terminal:

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

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

Graphviz has been installed on Mac OS.