

This python notebook works best on **Jupyter**, using an **ipykernel**, and on **Microsoft Visual Studio**.

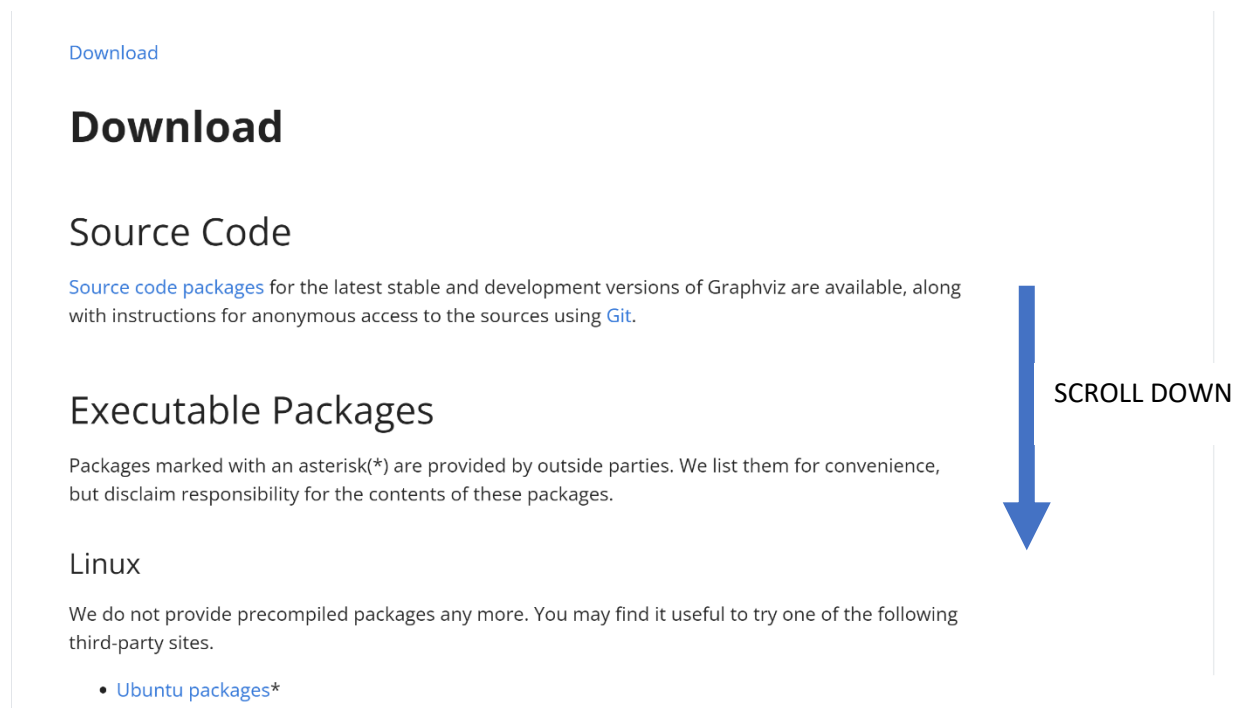
Before executing the code please include all the JSON files in 2 folders, **GROUP16-CW2** and **dist**(which can be found once GROUP16-CW2 folder is opened).

The library **pycountry** needs to be installed, which can be done in the anaconda navigator.

After the above there is one library called ‘**graphviz**’ which needs to be downloaded and can be found on the below link:

<https://graphviz.org/download/>

Once the page loads

A screenshot of the Graphviz website's download page. The page has a light blue header with the word 'Download' in blue. Below the header, the word 'Download' is written in large, bold black font. Underneath, 'Source Code' is written in black. A paragraph of text follows, mentioning 'Source code packages' and 'Git'. Then, 'Executable Packages' is written in black, followed by another paragraph. Below that, 'Linux' is written in black, followed by a paragraph and a bulleted list with one item: 'Ubuntu packages*'. To the right of the text, there is a large blue arrow pointing downwards, with the words 'SCROLL DOWN' in black capital letters next to it.

Download

Download

Source Code

Source code packages for the latest stable and development versions of Graphviz are available, along with instructions for anonymous access to the sources using [Git](#).

Executable Packages

Packages marked with an asterisk(*) are provided by outside parties. We list them for convenience, but disclaim responsibility for the contents of these packages.

Linux

We do not provide precompiled packages any more. You may find it useful to try one of the following third-party sites.

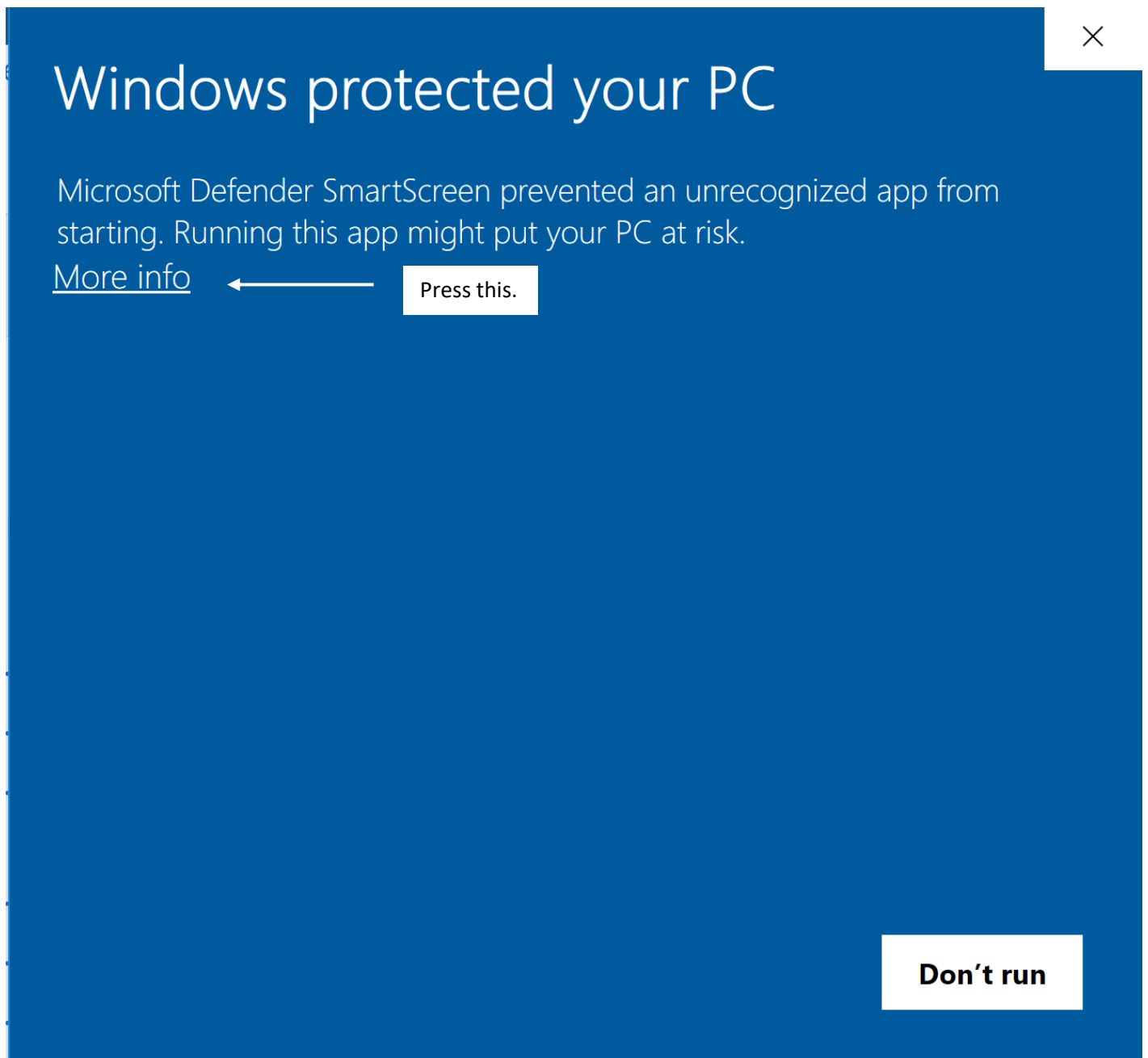
- [Ubuntu packages*](#)

Windows

- Stable Windows install packages, built with Microsoft Visual Studio 16 2019:
 - graphviz-7.0.4
 - [graphviz-7.0.4 \(32-bit\) ZIP archive \[sha256\]](#) (contains all tools and libraries)
 - [graphviz-7.0.4 \(32-bit\) EXE installer \[sha256\]](#) ←
 - [graphviz-7.0.4 \(64-bit\) EXE installer \[sha256\]](#) ←
 - graphviz-7.0.3
 - [graphviz-7.0.3 \(32-bit\) ZIP archive \[sha256\]](#) (contains all tools and libraries)
 - [graphviz-7.0.3 \(32-bit\) EXE installer \[sha256\]](#)
 - [graphviz-7.0.3 \(64-bit\) EXE installer \[sha256\]](#)
 - graphviz-7.0.2
 - [graphviz-7.0.2 \(32-bit\) ZIP archive \[sha256\]](#) (contains all tools and libraries)
 - [graphviz-7.0.2 \(32-bit\) EXE installer \[sha256\]](#)
 - [graphviz-7.0.2 \(64-bit\) EXE installer \[sha256\]](#)
- Select either, according to your system

Clicking either, automatically starts the download.

Once download is complete, please run the installer. You might get the following prompt.





Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: windows_10_cmake_Release_graphviz-install-7.
0.4-win32.exe

Publisher: Unknown publisher

Press this.



Run anyway

Don't run

After this, run the installer with whatever is already select by the installer.

Please make sure to not change the following highlighted line:

As it is used in our code to install the package in the python notebook

