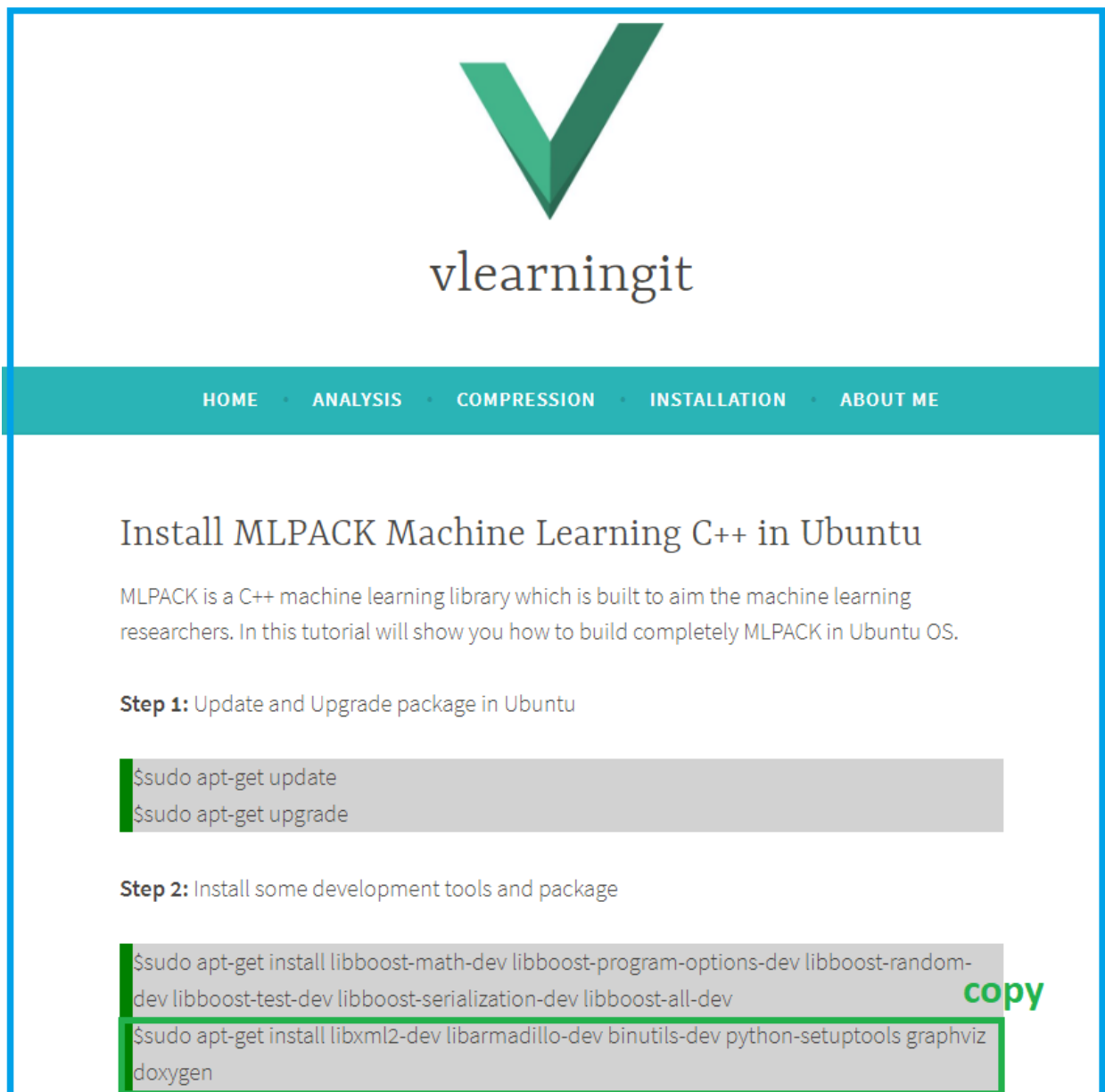


STEP-I: GO SOAVN WEB SITE

<https://vlearningit.wordpress.com/install-mlpack-machine-learning-c-in-ubuntu/>



STEP-2 :COPY

```
sudo apt-get install libxml2-dev libarmadillo-dev binutils-dev python-setuptools graphviz doxygen
```

STEP #3 OPEN TERMINAL PASTE ABOVE COMMAND

```
wazir@wazirlaghari:~$ sudo apt-get install libxml2-dev libarmadillo-dev binutils-dev python-setuptools graphviz doxygen
[sudo] password for wazir:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  linux-headers-4.13.0-36 linux-headers-4.13.0-36-generic
  linux-headers-4.13.0-39 linux-headers-4.13.0-39-generic
  linux-headers-4.13.0-41 linux-headers-4.13.0-41-generic
  linux-headers-4.4.0-119 linux-headers-4.4.0-119-generic
  linux-headers-4.4.0-127 linux-headers-4.4.0-127-generic
  linux-image-4.13.0-36-generic linux-image-4.13.0-39-generic
  linux-image-4.13.0-41-generic linux-image-4.4.0-119-generic
  linux-image-4.4.0-127-generic linux-image-extra-4.13.0-36-generic
  linux-image-extra-4.13.0-39-generic linux-image-extra-4.13.0-41-generic
  linux-image-extra-4.4.0-119-generic linux-image-extra-4.4.0-127-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  hdf5-helpers icu-devtools libaec-dev libarmadillo6 liblapack2 liblapack-dev
  libcdt5 libgraph6 libclang1-3.6 libgvc6 libgvpr2 libhdf5-cpp-11 libhdf5-dev
  libicu-dev liblapack-dev liblapack3 liblvm3.6v5 libobjc-5-dev libobjc4
  libpathplan4 libsuperlu-dev libsuperlu4 python-pkg-resources
Suggested packages:
  doxygen-latex doxygen-doc doxygen-gui graphviz-doc libitpp-dev libhdf5-doc
  icu-doc liblapack-doc-man liblapack-doc libsuperlu-doc python-setuptools-doc
The following NEW packages will be installed:
  binutils-dev doxygen graphviz hdf5-helpers icu-devtools libaec-dev
  libarmadillo-dev libarmadillo6 liblapack2 liblapack-dev libcdt5 libgraph6
  libclang1-3.6 libgvc6 libgvpr2 libhdf5-cpp-11 libhdf5-dev libicu-dev
  liblapack-dev liblapack3 liblvm3.6v5 libobjc-5-dev libobjc4 libpathplan4
  libsuperlu-dev libsuperlu4 libxml2-dev python-pkg-resources
  python-setuptools
0 upgraded, 29 newly installed, 0 to remove and 62 not upgraded.
Need to get 39.3 MB of archives.
After this operation, 196 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://th.archive.ubuntu.com/ubuntu xenial/universe amd64 libsuperlu4 amd64 4.3+dfsg-3 [158 kB]
Get:2 http://th.archive.ubuntu.com/ubuntu xenial/main amd64 liblvm3.6v5 amd64 1:3.6.2-3ubuntu2 [8,075 kB]
```

STEP-4: FOLLOW BELOW PROCEDURE

```
wazir@wazirlaghari:~$ workon wazir
(wazir) wazir@wazirlaghari:~$ pip install pydot
Collecting pydot
  Downloading https://files.pythonhosted.org/packages/c3/f1/e61d6dfe6c1768ed2529761a68f70939e2569da043e9f15a8d84bf56cadf/pydot-1.2.4.tar.gz (13
2kB)
  100% |#####| 133kB 108kB/s
Requirement already satisfied: pyparsing>=2.1.4 in ~/.virtualenvs/wazir/lib/python3.5/site-packages (from pydot)
Building wheels for collected packages: pydot
  Running setup.py bdist_wheel for pydot ... done
  Stored in directory: /home/wazir/.cache/pip/wheels/6a/a5/14/25541ebcdeaf97a37b6d05c7ff15f5bd20f5e91b99d313e5b4
Successfully built pydot
Installing collected packages: pydot
Successfully installed pydot-1.2.4
You are using pip version 9.0.3, however version 18.0 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
(wazir) wazir@wazirlaghari:~$ pip install --upgrade pip
Collecting pip
  Downloading https://files.pythonhosted.org/packages/5f/25/52d3f31441505a5f3af41213346e5b6c221c9e086a166f3703d2ddaf940/pip-18.0-py2.py3-none-
any.whl (1.3MB)
  100% |#####| 1.3MB 41kB/s
Installing collected packages: pip
  Found existing installation: pip 9.0.3
  Uninstalling pip-9.0.3:
  Successfully uninstalled pip-9.0.3
  Successfully installed pip-18.0
(wazir) wazir@wazirlaghari:~$ pip install pydot
Requirement already satisfied: pydot in ~/.virtualenvs/wazir/lib/python3.5/site-packages (1.2.4)
Requirement already satisfied: pyparsing>=2.1.4 in ~/.virtualenvs/wazir/lib/python3.5/site-packages (from pydot) (2.2.0)
(wazir) wazir@wazirlaghari:~$ python
Python 3.5.2 (default, Nov 23 2017, 16:37:01)
[GCC 5.4.0 20160609] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> import pydot
>>> quit()
(wazir) wazir@wazirlaghari:~$ jupyter notebook
[I 16:52:58.645 NotebookApp] Writing notebook server cookie secret to /run/user/1000/jupyter/notebook_cookie_secret
[I 16:53:00.576 NotebookApp] Serving notebooks from local directory: /home/wazir
[I 16:53:00.576 NotebookApp] 0 active kernels
[I 16:53:00.576 NotebookApp] The Jupyter Notebook is running at:
[I 16:53:00.576 NotebookApp] http://localhost:8888/?token=0ee31b4c10967ef8c6ddf8f7a0fc0462eaa934c4072f7f12
[I 16:53:00.576 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 16:53:00.580 NotebookApp]
```

