



I was running into errors when trying to use the graphviz to see the tree.

```

Welcome | LinearRegression-Alicia.ipynb | Tutorial_6_Classification.ipynb | plot_tree_regression.ipynb
Tutorial_6_Classification.ipynb > Module 6: Classification > What if the data is not categorical, i.e. if the data is continuous numerical value? Can we use tree for the same? > Decision Tree Regressor > empty cell
+ Code + Markdown | Run All | Restart | Clear All Outputs | Go To | Variables | Outline | base (Python 3.11.4)

import graphviz
dot_data = tree.export_graphviz(regressor, out_file=None, feature_names=['Production Cost'])
graph = graphviz.Source(dot_data)
graph

[19] 0.2s Python

FileNotFoundError: Traceback (most recent call last)
File ~/anaconda3/lib/python3.11/site-packages/graphviz/backend/execute.py:78, in run_check(cmd, input_lines, encoding, quiet, **kwargs)
    78     kwargs['stdout'] = kwargs['stderr'] = subprocess.PIPE
--> 79     proc = _run_input_lines(cmd, input_lines, kwargs=kwargs)
    80 else:

File ~/anaconda3/lib/python3.11/site-packages/graphviz/backend/execute.py:99, in _run_input_lines(cmd, input_lines, kwargs)
    99 def _run_input_lines(cmd, input_lines, *, kwargs):
--> 99     popen = subprocess.Popen(cmd, stdin=subprocess.PIPE, **kwargs)
    101     stdin_write = popen.stdin.write

File ~/anaconda3/lib/python3.11/subprocess.py:1026, in Popen._init_(self, args, bufsize, executable, stdin, stdout, stderr, preexec_fn, close_fds, shell, cwd, env, universal_newline,
1023     self.stderr = io.TextIOWrapper(self.stderr,
1024                                     encoding=encoding, errors=errors)
-> 1026     self._execute_child(args, executable, preexec_fn, close_fds,
1027                          pass_fds, cwd, env,
1028                          startupinfo, creationflags, shell,
1029                          p2cread, p2cwrite,
1030                          c2pread, c2pwrite,
1031                          errread, errwrite,
1032                          restore_signals,
1033                          gid, gids, uid, umask,
1034                          start_new_session, process_group)
1035 except:

...
--> 84     raise ExecutableNotFound(cmd) from e
    85     raise
    87 if not quiet and proc.stderr:

ExecutableNotFound: failed to execute PosixPath('dot'), make sure the Graphviz executables are on your systems' PATH
Output is truncated. View as a scrollable element or open in a text editor. Adjust cell output settings...

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS | JUPYTER
Successfully installed graphviz-0.20.1
(base) alicialuna@Alicias-MacBook-Pro-2 ~ %

```

The special thing about the values being predicted in this model is that it is a continuous numerical value; these are signs for a regression problem. You would use this over a decision tree classifier because we are predicting a continuous value.

