graph-tool

Python 2.x 2.7 , Python 3.x 3.5

The python tools can be used to generate graph

Examples

PyDotPlus

PyDotPlus is an improved version of the old pydot project that provides a Python Interface to Graphviz's Dot language.

Installation

For the latest stable version:

```
pip install pydotplus
```

For the development version:

```
pip install https://github.com/carlos-jenkins/pydotplus/archive/master.zip
```

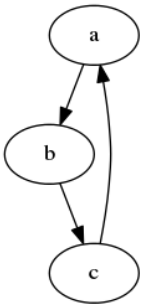
Load graph as defined by a DOT file

- The file is assumed to be in DOT format. It will be loaded, parsed and a Dot class will be returned, representing the graph. For example,a simple demo.dot:

```
digraph demo1{ a -> b -> c; c ->a; }
```

```
import pydotplus
graph_a = pydotplus.graph_from_dot_file('demo.dot')
graph_a.write_svg('test.svg') # generate graph in svg.
```

You will get a svg(Scalable Vector Graphics) like this:



PyGraphviz

Get PyGraphviz from the Python Package Index at http://pypi.python.org/pypi/pygraphviz

or install it with:

`pip install pygraphviz`

and an attempt will be made to find and install an appropriate version that matches your operating system and Python version.

You can install the development version (at github.com) with:

`pip install git://github.com/pygraphviz/pygraphviz.git#egg=pygraphviz`

Get PyGraphviz from the Python Package Index at http://pypi.python.org/pypi/pygraphviz

or install it with:

`easy_install pygraphviz`

and an attempt will be made to find and install an appropriate version that matches your operating system and Python version.

Load graph as defined by a DOT file

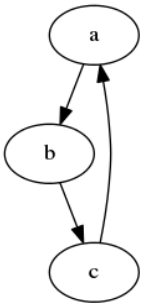
- The file is assumed to be in DOT format. It will be loaded, parsed and a Dot class will be returned, representing the graph. For example,a simple demo.dot:

> digraph demo1{ a -> b -> c; c ->a; }

- Load it and draw it.

```
import pygraphviz as pgv
G = pgv.AGraph("demo.dot")
G.draw('test', format='svg', prog='dot')
```

You will get a svg(Scalable Vector Graphics) like this:



Syntax

Parameters

Remarks