Packaging Overview

This documentation should hopefully give you a good overview on how to package the project source code into Windows and Mac binary distributions using the Python package setuptools.

Before beginning, you must install setuptools on your development machine. Instructions for installing and downloading setuptools can be found at http://pypi.python.org/pypi/setuptools. If you are creating a Mac application, you will also need to install py2app which can be found at http://svn.pythonmac.org/py2app/py2app/trunk/doc/index.html#installation.

Getting the source

Before creating an installer or package, you must first download the source code in one of two ways:
    a. You can download a compressed (zip or tar) copy by going to http://github.com/devrkel/IPRStats and clicking on "Download Source." Extract the contents of the compressed file to your working directory.
    b. If you are familiar with Git and have Git installed, you can clone the repository by navigating to your working directory through the terminal and typing `git clone git://github.com/devrkel/IPRStats.`

Building a Windows installer

You should have installed setuptools and downloaded the source code at this point. Next, navigate to the root directory of the downloaded source code via command prompt. This folder is called "IPRStats" and should contain "setup.py" among other files.

From the IPRStats directory, type the following (one line):
```
python setup.py bdist_wininst --install-script iprstats_postinstall.py --user-access-control force
```
Note that you only need to type `python setup.py dbist_wininst` to create the installer. The additional options install-script and user-access-control make it possible to add a menu shortcut. Otherwise, you can launch the application from C:\Python26\Scripts\iprs.pyw

Once this script completes, it will have created several new folders. Inside the folder "dist" will be the newly created installer.

Building a Mac application

You should have installed setuptools/py2app and downloaded the source code at this point. Next, navigate to the root directory of the downloaded source code via the terminal. This folder is called "IPRStats" and should contain "setup.py" among other files.

From the IPRStats directory, type the following:
```
python setup.py py2app
```

Once this script completes, it will have created several new folders. Inside the folder "dist" will be the newly created application.

To package this application into a .dmg image, type something similar to the following in the terminal:

```
hdiutil -volname IPRStats -srcfolder path/to/folder/containing/app
output/path/IPRStats.dmg
```