

# Instructions to install PyZgoubi

You should have an already working install of zgoubi

Linux is recommended, but if you have managed to get Zgoubi installed on another OS then PyZgoubi should also work. I have recently added pyzgoubi to the python package archive (PyPi). This should make installation simple, hopefully no teething troubles.

1) Install the python scientific libraries and pip

On redhat/fedora/scientific linux:

```
sudo yum install numpy scipy python-matplotlib
```

On debian/ubuntu linux:

```
sudo apt-get install python-pip python-numpy python-scipy  
python-matplotlib
```

On Mac / Windows install Enthought Canopy distribution

<https://www.enthought.com/products/canopy/>

2) Install pyzgoubi with pip

```
pip install --user pyzgoubi
```

3) check the installation

```
pyzgoubi --version
```

You should see something like:

```
Pyzgoubi version: 0.6.0a1  
Default Zgoubi path zgoubi  
Zgoubi version 6.0 16-Jun-2015.  
Python version 2.7.12  
numpy version 1.11.0  
scipy version 0.16.1  
matplotlib version 1.5.2rc2
```

If you see "Failed to run zgoubi" then you need to set the path to the zgoubi executable in ~/.pyzgoubi/settings.ini

e.g.

```
zgoubi=/home/sam/Downloads/zgoubi-6.0.1/zgoubi/zgoubi
```