Installing QIIME

Installing QIIME on Linux

Tested on Ubuntu MATE 15.10

```
# system dependencies
sudo apt-get install build-essential python-dev python-pip

# Get ready for matplotlib
# http://stackoverflow.com/questions/20533426/ubuntu-running-pip-install-gives-error-the-following-requ
sudo apt-get install libfreetype6-dev

# Get ready to install numpy and scipy
# http://stackoverflow.com/questions/11114225/installing-scipy-and-numpy-using-pip
sudo apt-get install libblas-dev liblapack-dev libatlas-base-dev gfortran

pip install numpy
pip install qiime

# Note: on my installation, the QIIME binaries were placed in $HOME/.local/bin/
# so I added that dir to my PATH environment variable:
echo "export PATH=\$HOME/.local/bin:\$PATH" >> ~/.bashrc
echo "export PATH=\$HOME/.local/bin:\$PATH" >> ~/.bash_profile

# restart terminal then test:
print_qiime_config.py -h
```

Installing QIIME on Mac using macqiime

Tested on Mac OSX El Capitan 10.11.3

```
# extract file
tar xvzf MacQIIME_1.9.1-20150604_OS10.7.tgz

# enter the directory and run the install script.
# it should request your administrator password.
cd MacQIIME_1.9.1-20150604_OS10.7
./install.s

# Try it out
macqiime
print_qiime_config.py
```

Using QIIME virtual machine on Windows/Mac/Linux

- Download and install VirtualBox: https://www.virtualbox.org/wiki/Downloads
- Download and open the QIIME virtualbox image: http://qiime.org/install/virtual_box.html
- Follow instructions at http://qiime.org/install/virtual_box.html