

## Python 安装

安装 python3.6 可能使用的依赖

```
#yum -y install openssl-devel bzip2-devel expat-devel gdbm-devel readline-devel  
sqlite-devel
```

```
# tar -xzf Python-3.6.1.tgz  
# cd Python-3.6.1/
```

把 Python3.6 安装到 /usr/local 目录

```
# ./configure --prefix=/usr/local/  
# make  
# make altinstall
```

python3.6 程序的执行文件: /usr/local/bin/python3.6

python3.6 应用程序目录: /usr/local/lib/python3.6

pip3 的执行文件: /usr/local/bin/pip3.6

pyenv3 的执行文件: /usr/local/bin/pyenv-3.6

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更改/usr/bin/python 链接

```
# cd /usr/bin  
# mv python python.backup  
# ln -s /usr/local/bin/python3.6 /usr/bin/python  
# ln -s /usr/local/bin/python3.6 /usr/bin/python3  
  
#rm -rf /usr/bin/python2  
#ln -s /usr/bin/python2.6 /usr/bin/python2 *****
```

更改 yum 脚本的 python 依赖

```
# cd /usr/bin  
# ls yum*  
yum yum-config-manager yum-debug-restore yum-groups-manager  
yum-builddep yum-debug-dump yumdownloader  
更改以上文件头为  
#!/usr/bin/python 改为 #!/usr/bin/python2
```

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常用的科学计算、数据挖掘机器学习等 python 第三方库主要有: Numpy、Scipy、Matplotlib、Pandas、StatsModels、Scikit-Learn、Keras、Gensim

pip install 库名