

# 9.1.0 TensorFlow 설치 및 실행

참고 1 : <http://injeblog.tistory.com/97>

참고 2 : <http://eunguru.tistory.com/28>

- 본 페이지는 아래 블로그의 tensorflow 실행을 수행해본 페이지입니다.
- MAC 환경입니다.
- [Tensorflow] LSTM RNN을 이용하여 아마존 주가 예측하기
- <https://blog.naver.com/PostView.nhn?blogId=wideeyed&logNo=221160038616&proxyReferer=https%3A%2F%2Fwww.google.co.kr%2F>

## 1. Python 3.6 설치

```
Could not find a version that satisfies the requirement tensorflow (from versions: )  
No matching distribution found for tensorflow
```

==> 버전이 맞지 않음~

- 파이선 3.6 설치 : <https://www.python.org/downloads/release/python-366/>
- Bash 파일 업데이트 : 3.7 버전이 자주 실행되서 바꿈

```
eunbi@EB-MacPro ~ vi .bash_profile  
alias python="python3"  
PYTHON="/Library/Frameworks/Python.framework/Versions/3.6/bin/python3"  
export PATH=$PATH:/usr/local/go/bin:$PYTHON
```

## 2. pip upgrade

- pip3.6 install --upgrade pip

```
eunbi@EB-MacPro ~ pip3.6 install --upgrade pip  
Collecting pip  
Using cached https://files.pythonhosted.org/packages/c2/d7/90f34cb0d83a6c5631cf71dfe64cc1054598c843a92b400e55675cc2ac37/pip-18.1-py2.py3-none-any.whl  
Installing collected packages: pip  
Found existing installation: pip 10.0.1  
Uninstalling pip-10.0.1:  
Successfully uninstalled pip-10.0.1  
Successfully installed pip-18.1
```

## 3. TensorFlow 설치

- eunbi@EB-MacPro ~ python3.6 -m pip install tensorflow

## 4. Python - 환경 설치

- python3.6 -m pip install numpy
- python3.6 -m pip install pandas
- python3.6 -m pip install matplotlib
- python3.6 -m pip install datetime

## 5. 추가 파일 데이터 다운

- <https://finance.yahoo.com/quote/AMZN/history?period1=1509695606&period2=1541231606&interval=1d&filter=history&frequency=1>

## 6. 파일 실행

- `python3.6 amazon.py`
- `amazon.py`