

04. Uniaxial Tension Tests

강의명: 금속유동해석특론 (AMB2039)

정영웅

창원대학교 신소재공학부

YJEONG@CHANGWON.AC.KR

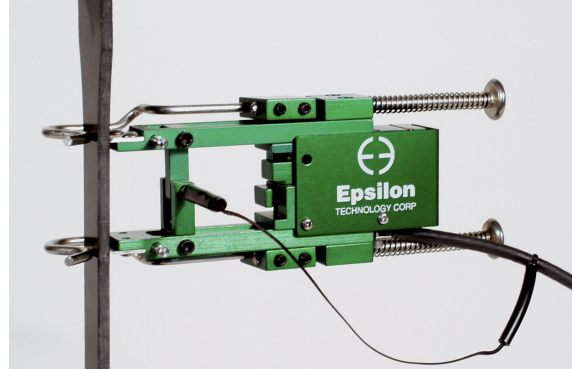
연구실: #52-208 전화: 055-213-3694

HOME PAGE: [HTTP://YOUNGUNG.GITHUB.IO](http://YOUNGUNG.GITHUB.IO)

Outline

- 강의 소개
- 평가
- 강의 진행 방식 및 규칙

Recap



Goals

- Successful installation of open source code
- Understand the goal of data analysis and visualization
- Getting familiar with ‘numerical’ computing

Open source data analysis tool using Python

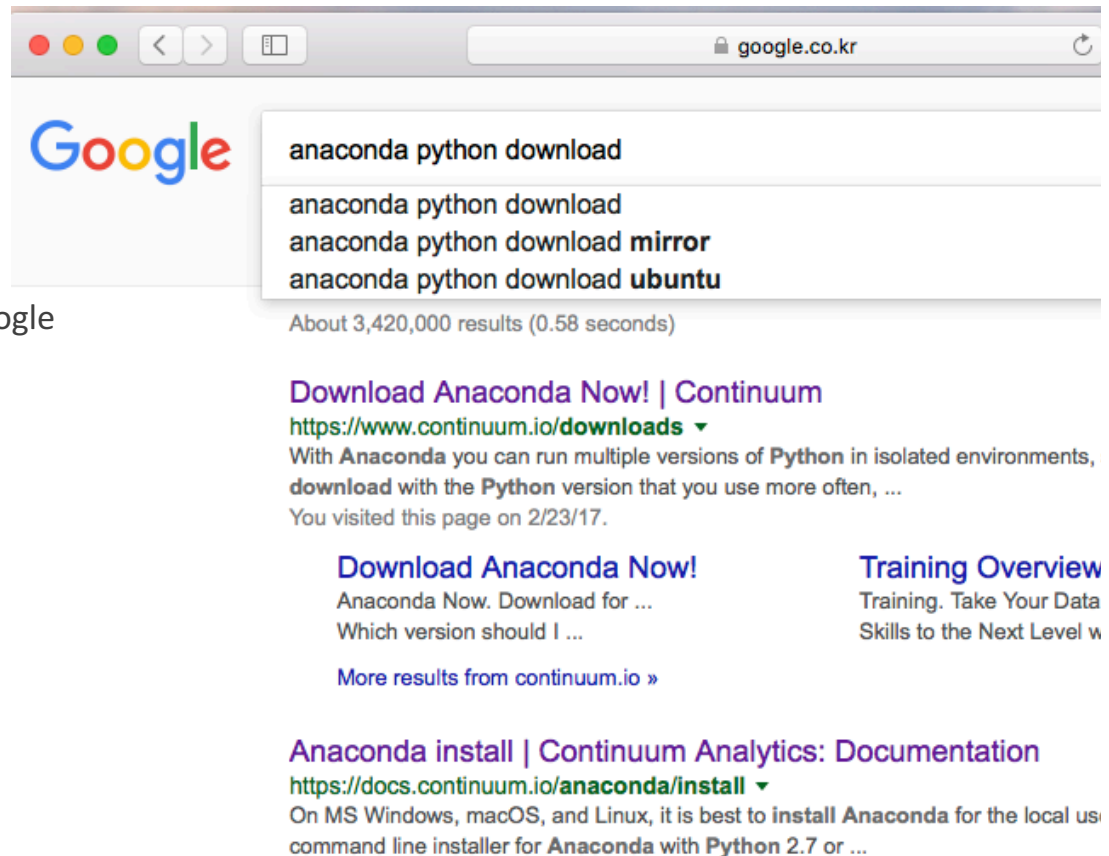
- Access to <https://www.continuum.io/downloads>
- Python 2.7 is preferred.

Short introduction

- Install Anaconda Python 2.7 on your system (Use Google)
- After a successful installation, launch a terminal (or shell prompt)
- Make a directory where you want to work
- Move in to that directory
- Type below command in the terminal and you'll find your default web-browser (Explorer, Edge, Google Chrome, Firefox, Safari ...) launches

Graphical introduction

- Type <anacond python download> in Google
- Move to <https://www.continuum.io/downloads>



Find a proper version to download

- Depending on your system (Windows, Linux, OSX ...)
- Then install. Anaconda python on your system

The screenshot shows the Anaconda download page for macOS. At the top, there are three tabs: "Download for Windows", "Download for OSX" (which is selected), and "Download for Linux". Below the tabs, the page is titled "Anaconda 4.3.0 For OSX". It states that Anaconda is BSD licensed and provides a link to the "Changelog".

Under the "Graphical Installer" section, there are two numbered steps: 1. Download the graphical installer, and 2. Double-click the downloaded .pkg file and follow the instructions.

Under the "Command Line Installer" section, there are three numbered steps: 1. Download the command-line installer, 2. Optional: Verify data integrity with MD5 or SHA-256 (with a link to "More Info"), and 3. In your terminal window type one of the below and follow the instructions.

For the "Python 3.6 version", there are two options: "GRAPHICAL INSTALLER (424M)" and "COMMAND-LINE INSTALLER (363M)". The "64-Bit" label is shown below these options.

For the "Python 2.7 version", there are two options: "GRAPHICAL INSTALLER (419M)" and "COMMAND-LINE INSTALLER (358M)". The "64-Bit" label is shown below these options.

At the bottom, there are two terminal commands for macOS:

```
bash Anaconda3-4.3.0-MacOSX-x86_64.sh
```

```
bash Anaconda2-4.3.0-MacOSX-x86_64.sh
```

A note at the bottom states: "NOTE: Include the 'bash' command even if you are not using the bash shell."

Launch Command Prompt (Windows)

- 명령프롬프트 실행 (command prompt or anaconda prompt)
- Launch Jupyter notebook by typing “jupyter notebook”

CA. 명령 프롬프트

```
Microsoft Windows [Version 10.0.14393]  
(c) 2016 Microsoft Corporation. All rights reserved.  
  
C:\Users\Youngung>mkdir mse  
  
C:\Users\Youngung>cd mse  
  
C:\Users\Youngung\mse>jupyter notebook
```