

**Data Science using Python**  
**Topic : Anaconda Installation**

## Anaconda Installation Guide

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**Anaconda** is an open-source package manager, environment manager, and distribution of the Python and R programming languages. It is commonly used for large-scale data processing, scientific computing, and predictive analytics, serving data scientists, developers, business analysts, and those working in DevOps. Package versions are managed by the package management system [conda](https://conda.io/docs/) (<https://conda.io/docs/>).

Get the Anaconda cheat sheet from the [link](https://docs.continuum.io/_downloads/Anaconda_Starter_Guide_CheatSheet.pdf) ([https://docs.continuum.io/\\_downloads/Anaconda\\_Starter\\_Guide\\_CheatSheet.pdf](https://docs.continuum.io/_downloads/Anaconda_Starter_Guide_CheatSheet.pdf)).

### Check whether Anaconda is installed in your system.

- In your Terminal window or Anaconda Prompt, run the command :

***conda --version***

- It will show the installed version of anaconda else it shows the error (command not found).

### Updating from older version:

You can easily update Anaconda to the latest version.

#### Windows :

- Open the Start Menu and choose Anaconda Prompt
- Enter these commands -

***conda update conda***

***conda update anaconda***

### macOS or Linux:

- Open a terminal window
- Enter these commands:  
*conda update conda*  
*conda update anaconda*

## Installation

### Installing on Windows

- Download Anaconda (windows version) from the below link - [Note: Install 3+ version]
  - <https://www.anaconda.com/download/#windows>
- Locate your download and double click it.
- Follow the prompts on the installer screens.
- Select the default options in advance option when prompted during the installation of Anaconda.
- There will be an option to install Microsoft Visual Studio Code which is not required for this course
- When the installation is finished, from the Start menu, open the Anaconda Prompt.

### Installing on MacOS

- Download Anaconda(macOS version) from the below link - [Note: Install 3+ version]
  - <https://www.anaconda.com/download/#macos>
- Locate your download and double click it.
- Follow the prompts on the installer screens.
- You'll be prompted to give your password, which is usually the one that you also use to unlock your Mac when you start it up. After you enter your password, click on Install Software.
- There will be an option to install Microsoft Visual Studio Code which is not required for this course
- You should get a screen saying the installation has completed. Close the installer and move it to the trash.
- To make the changes take effect, close and then re-open your Terminal window.

### Installing on Linux

- Download Anaconda(Linux Version) from the below link - [Note: Install 3+ version]
  - <https://www.anaconda.com/download/#linux>

- In your terminal window, enter the following command -

***bash ~/ (folder)/Anaconda3-(version)-Linux-x86\_64.sh***

- Follow the instruction on the terminal window.
- You'll be prompted to choose the location of the installation. You can press ENTER to accept the default location.
- When the installation is finished, to make the changes take effect, close and then re-open your Terminal window.

## **Testing your installation**

To test your installation, in your Terminal window or Anaconda Prompt, run the command –

***conda list***

For a successful installation, a list of installed packages appears.