

ANACONDA Setup

TUESDAY AUG 25TH, 2020

First steps ...

- Let's discuss Anaconda-
The World's Most Popular Data
Science Platform
- Anaconda is not Python
- An environment for developing
Python and R projects
- Optimized for data science





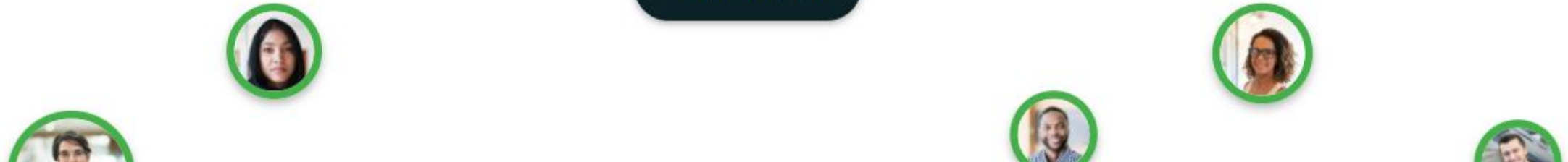
Get Started

Go to anaconda.com

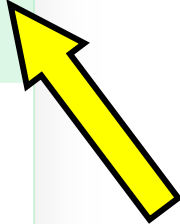
Data science technology for human sensemaking.

A movement that brings together millions of data science practitioners, data-driven enterprises, and the open source community.

Get Started



- Individual Edition
Open Source Distribution
- Team Edition
Package Manager
- Enterprise Edition
Full Data Science Platform
- Professional Services
Data Experts Work Together



1. Click on "Products"
2. Choose "Individual Edition"

Individual Edition
Your data science toolkit

With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

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Accept

Anaconda Installers

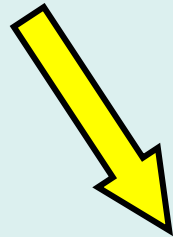
Choose the right version and download it

Windows 

Python 3.8

64-Bit Graphical Installer (466 MB)

32-Bit Graphical Installer (397 MB)



MacOS 

Python 3.8

64-Bit Graphical Installer (462 MB)

64-Bit Command Line Installer (454 MB)

Linux 

Python 3.8

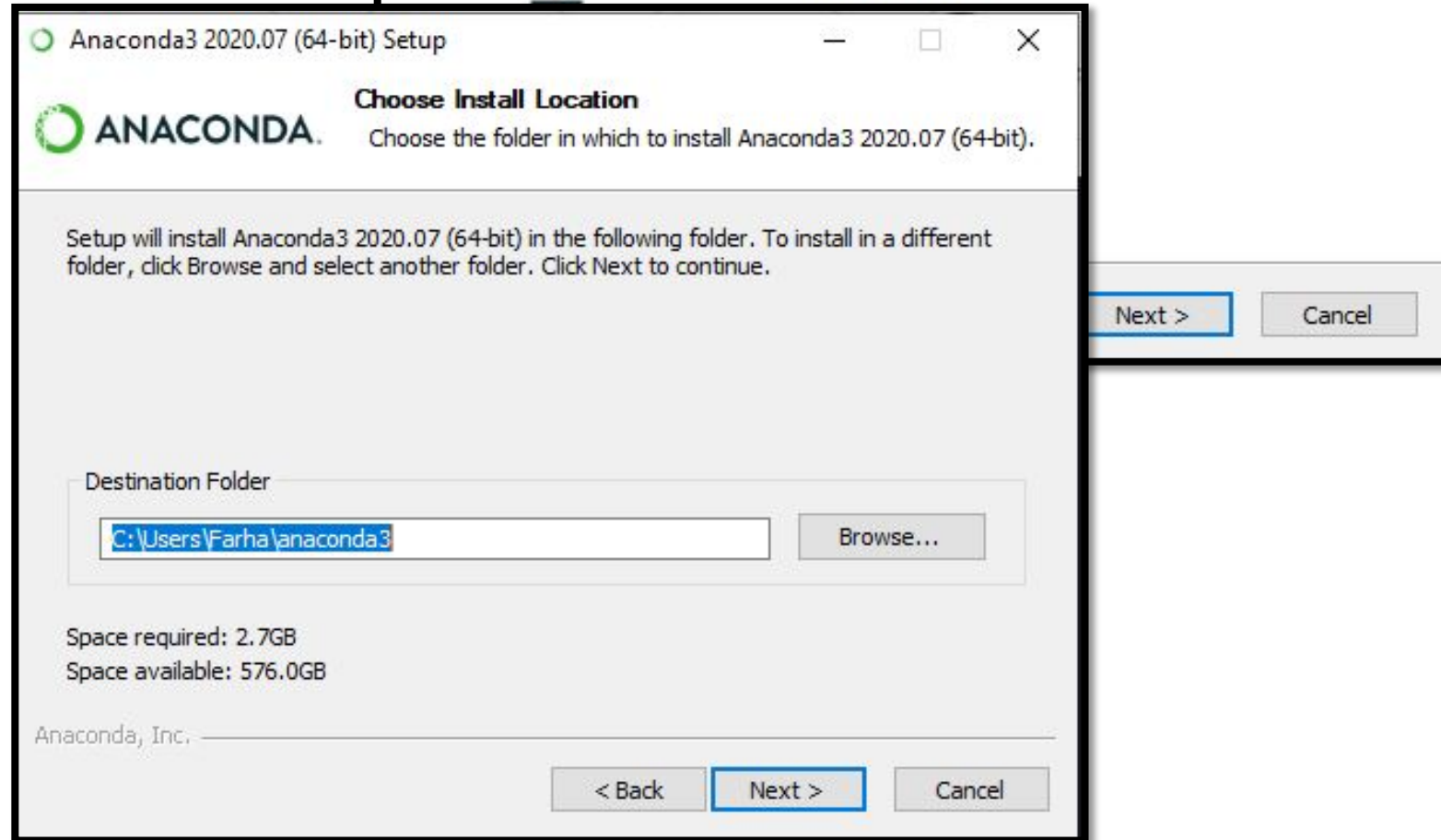
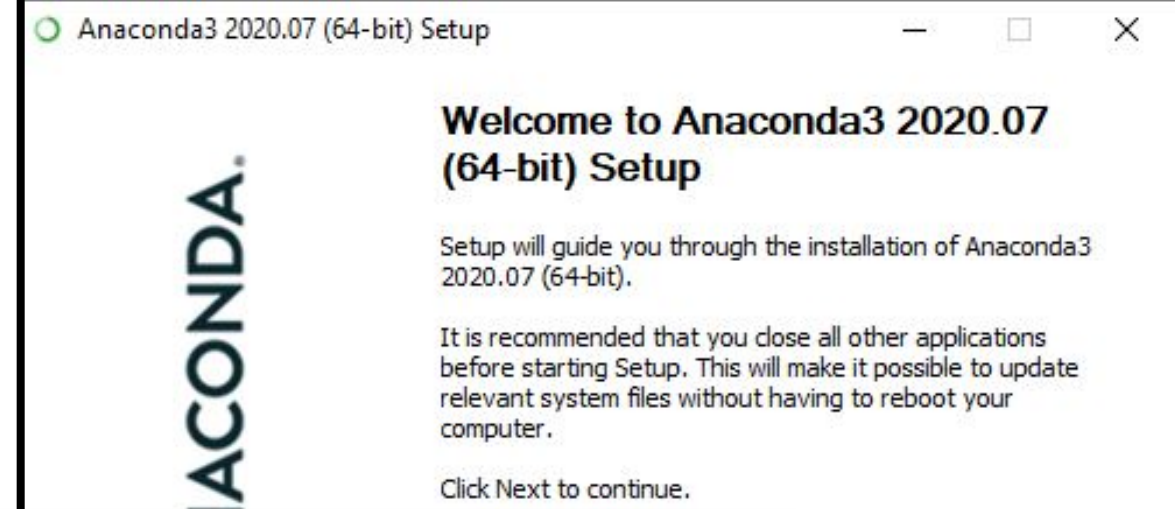
64-Bit (x86) Installer (550 MB)

64-Bit (Power8 and Power9) Installer (290 MB)

*It will take a
while ...*



- Anaconda requires almost 3 GB of free space
- Install it in a separate folder
- Preferably on a drive with lots of free memory!
- It will take a while !



Applications on

base (root)

Channels



CMD.exe Prompt

0.1.1

Run a cmd.exe terminal with your current environment from Navigator activated

Launch



Glueviz

0.15.2

Multidimensional data visualization across files. Explore relationships within and among related datasets.

Launch



JupyterLab

1.1.4

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Launch



Jupyter Notebook

6.0.1

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

Launch



Orange 3

3.23.1

Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.

Launch



Powershell Prompt

0.0.1

Run a Powershell terminal with your current environment from Navigator activated

Launch



IP[y] Qt Console

4.5.5

PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.

Launch



Spyder

3.3.6

Scientific PYthon Development EnviRnment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

Launch



RStudio

1.1.456

A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.

Install

- Anaconda Navigator brings together several applications
 - They can also be run separately

Documentation

Developer Blog



- Home
- Environments
- Learning
- Community

Search Environments

base (root)

rstudio

- Create
- Clone
- Import
- Remove

Installed Channels Update index... Search Packages

Name	Description	Version
<input checked="" type="checkbox"/> _anaconda_depends		20...
<input checked="" type="checkbox"/> _ipyw_jlab_nb_ex...	A configuration metapackage for enabling anaconda-bundled jupyter extensions	0.1...
<input checked="" type="checkbox"/> _tflow_select		2.3...
<input checked="" type="checkbox"/> absl-py	Abseil python common libraries, see https://github.com/abseil/abseil-py .	0.9...
<input checked="" type="checkbox"/> alabaster	Configurable, python 2+3 compatible sphinx theme.	0.7...
<input checked="" type="checkbox"/> anaconda	Simplifies package management and deployment of anaconda	↗ cus...
<input checked="" type="checkbox"/> anaconda-client	Anaconda.org command line client library	1.7...
<input checked="" type="checkbox"/> anaconda-project	Tool for encapsulating, running, and reproducing data science projects	↗ 0.8...
<input checked="" type="checkbox"/> anyqt	Pyqt4/pyqt5 compatibility layer.	0.0...
<input checked="" type="checkbox"/> asn1crypto	Python asn.1 library with a focus on performance and a pythonic api	↗ 1.0...
<input checked="" type="checkbox"/> astor	Read, rewrite, and write python asts nicely	0.8...
<input checked="" type="checkbox"/> astroid	A abstract syntax tree for python with inference support.	↗ 2.3...
<input checked="" type="checkbox"/> astropy	Community-developed python library for astronomy	↗ 3.2...
<input checked="" type="checkbox"/> atomicwrites	Atomic file writes.	1.3...
<input checked="" type="checkbox"/> attrs	Attrs is the python package that will bring back the joy of writing classes by relieving you from the drudgery of implementing object protocols (aka dunder methods).	↗ 19...
<input checked="" type="checkbox"/> babel	Utilities to internationalize and localize python applications	↗ 2.7...
<input checked="" type="checkbox"/> backcall	Specifications for callback functions passed in to an api	0.1...
<input checked="" type="checkbox"/> backports		1.0...
<input checked="" type="checkbox"/> backports.functor		1.5...

- Anaconda Navigator allows the installation, removal, or updating of packages and environment set-ups

Documentation

Developer Blog

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Home























Environments

Learning

Community

Documentation (21) Training (1) Video (0) Webinar (0)

Search

 Python Tutorial	 Python Reference	 Anaconda Package List	 Pandas Documentation	 Numpy Documentation	 Scipy Documentation	 Matplotlib Documentation	 Bokeh User Guide
Read	Read	Read	Read	Read	Read	Read	Read
 Anaconda Cloud Documentation	 Anaconda Documentation	 Anaconda Navigator Documentation	 Using MRO or R with Conda	 Microsoft R Open: The Enhance R Distribution	 The Comprehensive R Archive Network (CRAN)	 The Python Package Index (PyP)	 Dask documentation
Read	Read	Read	Read	Read	Read	Read	Read
 Conda & Conda-Build	 Jupyter documentation	 Spyder documentation	 VSCode (python)	 Orange documentation	 Python Training by Anaconda		
Read	Read	Read	Read	Read	Explore		

- Various useful learning modules under the "Learning" tab

Documentation

Developer Blog



Thank you for your attention...

