ANACONDA Setup

First steps …

- Let's discuss Anaconda-The World's Most Popular Data Science Platform

- <u>Anaconda is not Python</u>

- An environment for developing Python and R projects
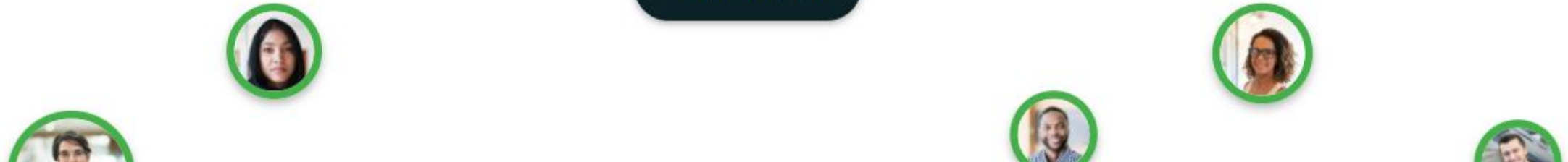
- Optimized for data science

ANACONDA.

Products ▾   Pricing   Solutions ▾   Resources ▾   Blog   Company ▾
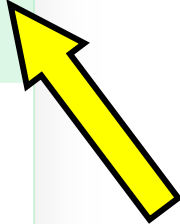
Get Started

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

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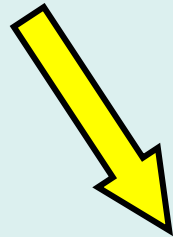
Anaconda Installers

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)
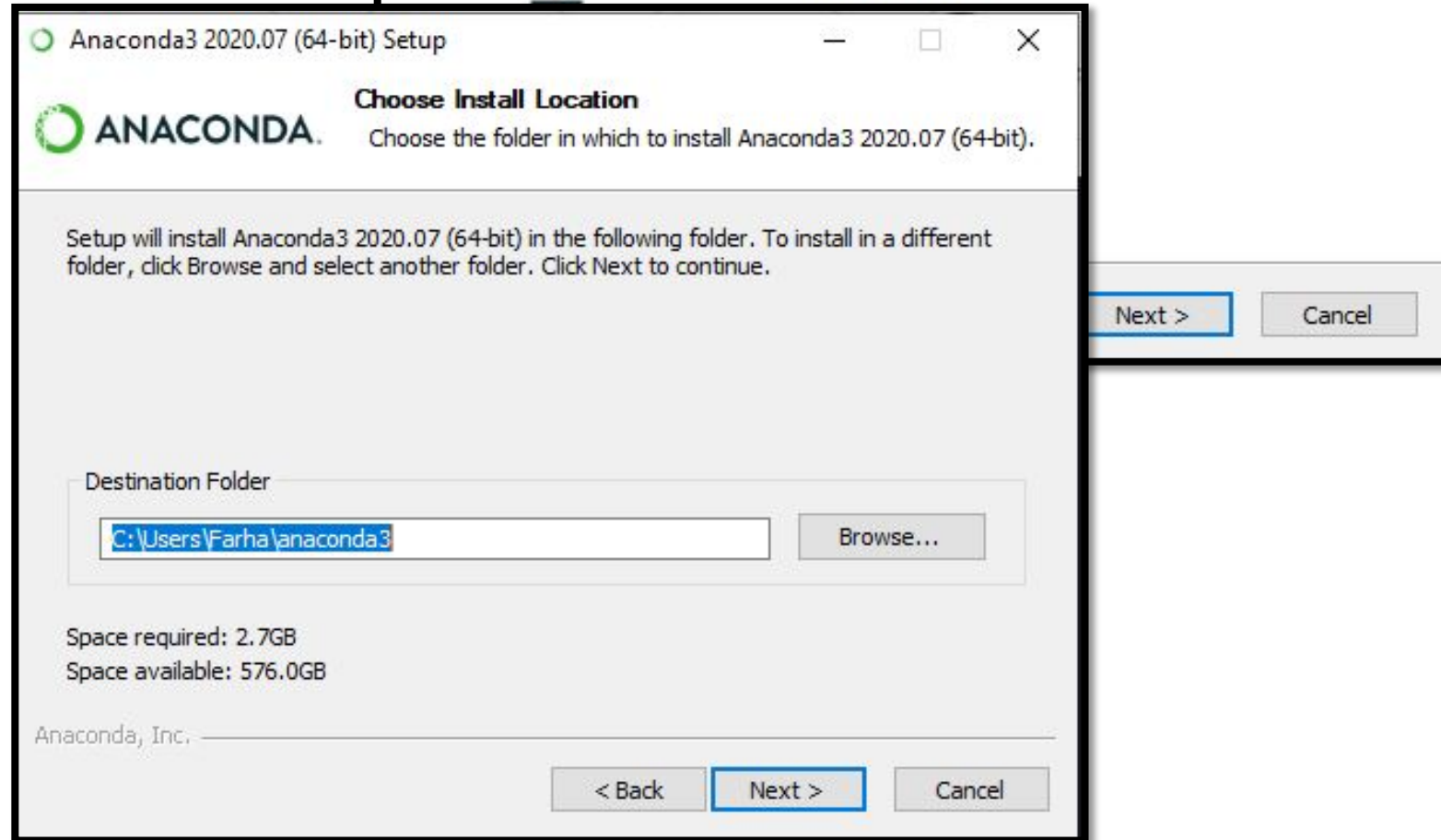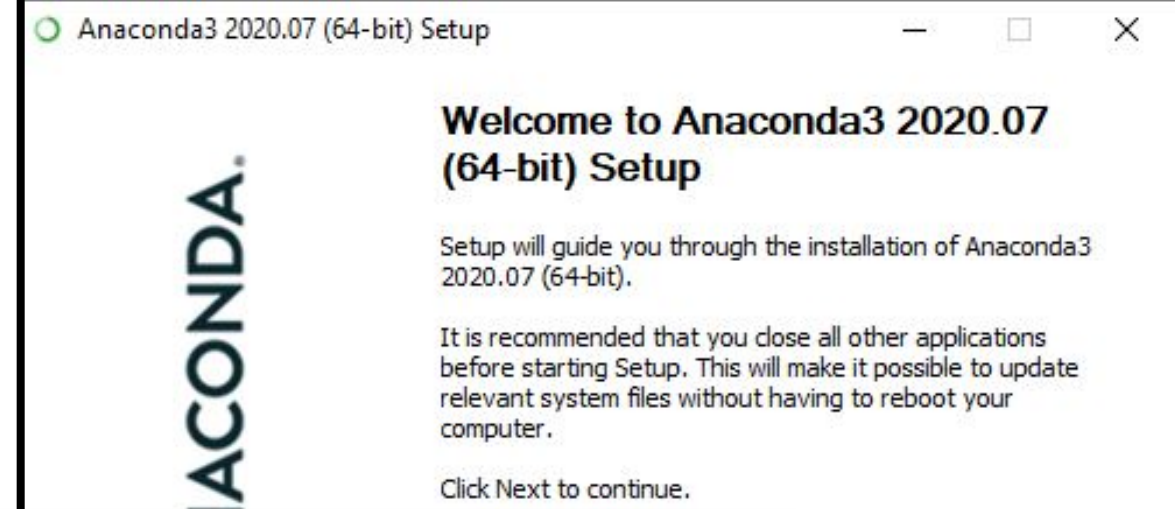
Linux 🐧

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 !

ANACONDA NAVIGATOR

Sign in to Anaconda

🏠 Home

📦 Environments

📘 Learning

👥 Community

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

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

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 EnviRonment. 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

Documentation

Developer Blog

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

ANACONDA NAVIGATOR

Sign in to Anacond

	Home
	Environments
	Learning
	Community

Search Environments

base (root)   ▶

rstudio

Installed ▾   Channels   Update index...   Search Packages

Name	▾	T	Description	Versio
☑ _anaconda_depends	○			20
☑ _ipyw_jlab_nb_ex...	○		A configuration metapackage for enabling anaconda-bundled jupyter extensions	0.1
☑ _tflow_select	○			2.3
☑ absl-py	○		Abseil python common libraries, see https://github.com/abseil/abseil-py.	0.9
☑ alabaster	○		Configurable, python 2+3 compatible sphinx theme.	0.7
☑ anaconda	○		Simplifies package management and deployment of anaconda	↗ cus
☑ anaconda-client	○		Anaconda.org command line client library	1.7
☑ anaconda-project	○		Tool for encapsulating, running, and reproducing data science projects	↗ 0.8
☑ anyqt	○		Pyqt4/pyqt5 compatibility layer.	0.0
☑ asn1crypto	○		Python asn.1 library with a focus on performance and a pythonic api	↗ 1.0
☑ astor	○		Read, rewrite, and write python asts nicely	0.8
☑ astroid	○		A abstract syntax tree for python with inference support.	↗ 2.3
☑ astropy	○		Community-developed python library for astronomy	↗ 3.2
☑ atomicwrites	○		Atomic file writes.	1.3
☑ 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
☑ babel	○		Utilities to internationalize and localize python applications	↗ 2.7
☑ backcall	○		Specifications for callback functions passed in to an api	0.1
☑ backports	○			1.0
☑ backports.functoo	🐍			1.5

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

Documentation

Developer Blog

➕ Create   ▦ Clone   ⤓ Import   🗑 Remove

• Various useful learning modules under the "Learning" tab

Thank you for your attention…