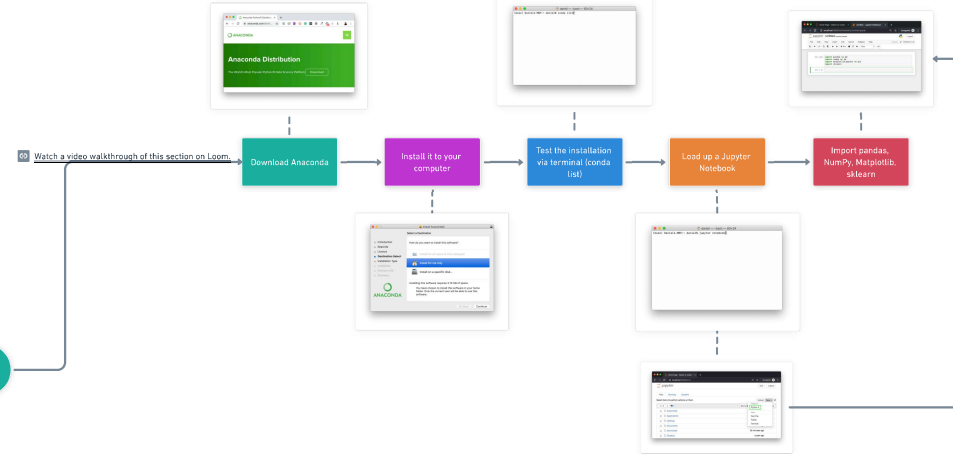# ANACONDA®

This flowchart goes through the steps required to setup Anaconda on your computer. Anaconda can be considered the hardware store for data scientists. It contains packages (collections of code or tools) other people have written which can be used for your own projects.

○ Anaconda Python/R Distribution - Free Download

[▶] Watch a video walkthrough of this section on Loom

Anaconda Distribution

What are Anaconda, Miniconda and Conda?

Anaconda and Miniconda are software distributions. Anaconda comes with over 150 data science packages, everything you could imagine, where as, Miniconda comes with a handful of what's needed.

A package is a piece of code someone else has written which can be run and often serves a specific purpose. You can consider a package as a tool you can use for your own projects.

Packages are helpful because without them, you would have to write far more code to get what you need done. Since many people have similar problems, you'll often find a group of people have written code to help solve their problem and released it as a package.

Conda is a package manager. It helps you take care of your different packages by handling installing, updating and removing them.

[▶] Watch a video walkthough of what Anaconda, Miniconda and Conda are on Loom

[▶] Read the blog post version of this flow chart

Start here

Anaconda or Miniconda?

I have 3 GB of space on my computer want everything available in one place and to get started as quick as possible.

Use Anaconda.

Download Anaconda → Install it to your computer → Test the installation via terminal (conda list) → Load up a Jupyter Notebook → Import pandas, NumPy, Matplotlib, sklearn

I don't have 3 GB of space and I don't mind doing some setup steps.

Use Miniconda (recommended!)

MINICONDA®

This flowchart goes through the steps required to setup Miniconda on your computer. Miniconda can be considered the data scientists workbench. It contains the bare minimum of Python tools required to get started with data science and machine learning.

[▶] Miniconda Free Downloads

Miniconda

[▶] Watch a video walkthrough of this section on Loom

Download Miniconda → Install it to your computer → Test the installation via terminal (which conda) → Create a project folder and change into it → Create a custom environment within the project folder → Activate your new environment (conda activate) → Install Jupyter (conda install jupyter) → Load up a Jupyter Notebook and check the tools you need

Steps to take in a new project

Start new project → Create project folder → Store all relevant files (environment, data, notebooks) in the project folder

ANACONDA®

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