# ANACONDA DISTRIBUTION STARTER GUIDE

See full documentation for Anaconda Distribution: **docs.anaconda.com/anaconda/**

## BEFORE STARTING

**Why do I need Anaconda Distribution?**

Many scientific packages require a specific version of Python to run. It's difficult to keep various Python installations on one computer from interacting and breaking, and harder to keep them up-to-date. Anaconda Distribution makes management of multiple Python versions on one computer easier, and provides a large collection of highly-optimized, commonly-used data science libraries to get you started faster.

**What is Anaconda Distribution?**

An easy-to-install collection of high performance Python libraries, along with conda, our tool for managing packages and environments. Beyond the collection of open source packages in the Anaconda installer, you can use conda to install over 1.5k packages (including the R language) from the Anaconda public repository and more than 20k packages from community channels, such as conda-forge and bioconda.

**What is Miniconda?**

Miniconda is conda and its dependencies. With Miniconda, you can build your environments from scratch by installing only the packages needed to run the conda command. It's a much smaller installer, typically used with an active internet connection.

```
conda install PACKAGENAME
```
**Example:** `conda install anaconda-navigator`

## DOWNLOADING

**Will it work on my machine?**

Anaconda Distribution is available for Windows 10 x86_64 and newer, macOS 10.10 and newer, or any Linux distribution with a glibc version greater than 2.17 (CentOS 7). The Anaconda Distribution install requires 3.5 GB and Miniconda requires 400 MB.

**Quick install**

https://docs.anaconda.com/anaconda/install

**Getting started with Anaconda**

https://docs.anaconda.com/anaconda/user-guide/getting-started

**Getting started with conda**

docs.conda.io/projects/conda/en/latest/user-guide/getting-started.html

## EXPLORING

**Packages included in Anaconda 4.4+, or installed with `"conda install PACKAGENAME"`**

1. **NumPy**
   numpy.org
   N-dimensional array for numerical computation
2. **SciPy**
   scipy.org
   Scientific computing library for Python
3. **Matplotlib**
   matplotlib.org
   2D Plotting library for Python
4. **Pandas**
   pandas.pydata.org
   Powerful Python data structures and data analysis toolkit
5. **Seaborn**
   seaborn.pydata.org/
   Statistical graphics library for Python
6. **Bokeh**
   bokeh.org
   Interactive web visualization library

7. **Scikit-Learn**
   scikit-learn.org/stable
   Python modules for machine learning and data mining
8. **NLTK**
   nltk.org
   Natural language toolkit
9. **Jupyter Notebook**
   jupyter.org
   Web app that allows you to create and share documents that contain live code, equations, visualizations, and explanatory text
10. **R essentials**
    docs.anaconda.com/anaconda/user-guide/tasks/using-r-language/
    80+ of the most used R packages for data science can be installed with "`conda install r-essentials`"
    Complete R package list
    repo.anaconda.com/pkgs/r/

## ANACONDA.

# ANACONDA NAVIGATOR CHEAT SHEET

See full documentation for Anaconda Navigator:
docs.anaconda.com/navigator

## BEFORE STARTING

**What is Anaconda Navigator?**
A graphical interface for launching common Python programs without having to use command lines. It can also be used to install packages and manage your environments.

## INSTALLATION

**Will it work on my machine?**
Anaconda Navigator is available for Windows, macOS, or Linux. Navigator is automatically installed with Anaconda Distribution.

**Installation instructions**
docs.anaconda.com/anaconda/install

**Open Anaconda Navigator**
On Windows, the installer will create a Start menu shortcut for Navigator. On macOS, if using the GUI (.pkg) installer, you'll get an icon for Navigator in Launchpad. On Linux or macOS installed via .sh installer, open a terminal and enter this command:

```
anaconda-navigator
```

## EXPLORING



## MORE RESOURCES

**Community support**
community.anaconda.cloud

**Self-paced Learning**
learning.anaconda.cloud

**Consulting**
anaconda.com/consulting

## Take Data Science to Your Organization

Anaconda Enterprise extends Anaconda Distribution by enabling data science teams to build, train, and deploy models at speed and scale, while fulfilling IT governance and security needs. Learn more at www.anaconda.com/enterprise.

Follow us on Twitter @anacondainc and join the #AnacondaCrew!

Connect with data scientists and developers and contribute to the open source movement at anaconda.com/open-source.