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 7 and newer, macOS 10.10 and newer, or any Linux distribution with a glibc version greater than 2.12 (CentOS 6). Anaconda requires 3GB of free hard drive space, while Miniconda needs only 400 MB.
Quick install	https://docs.anaconda.com/anaconda/install
Getting started with Anaconda	https://docs.anaconda.com/anaconda/user-guide/getting-started
Take the Conda test drive	conda.io/docs/test-drive.html

EXPLORING

Packages included in Anaconda 4.4+, or install 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.pydata.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**
    https://docs.anaconda.com/anaconda/user-guide/tasks/use-r-language
    80+ of the most used R packages for data science can be installed with "`conda install r-essentials`"
    R package list
    https://docs.anaconda.com/anaconda/packages/r-language-pkg-docs

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ANACONDA NAVIGATOR CHEAT SHEET

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

DOWNLOADING

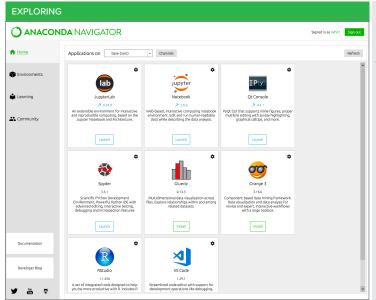|	
Will it work on my machine?	Anaconda Navigator is available for Windows, macOS or Linux. Navigator is automatically installed with Anaconda Distribution.
Follow the graphical install instructions	**docs.anaconda.com/anaconda/install**
Open Anaconda Navigator	On Windows, the installer will create a 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
bit.ly/anaconda-community

Training
anaconda.com/training

Consulting
anaconda.com/professional-services/

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/community**.