

MSc Data Mining

Topic 02 : Exploratory Data Analysis

Part 02 : Installing Python Packages

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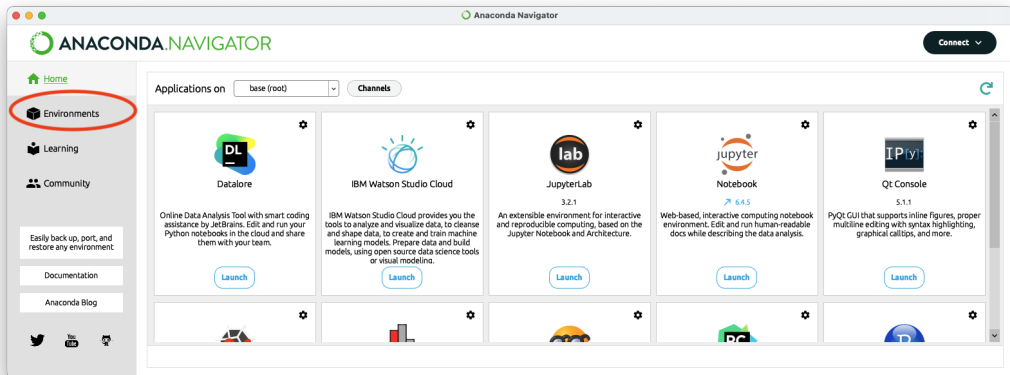
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Outline

- Installing python packages using Anaconda Navigator

Step 1 — Open Anaconda Navigator and click on Environments



Step 2 — Switch package filter to All, and enter package name in search box

The screenshot shows the Anaconda Navigator application window. The title bar reads "Anaconda Navigator". The main interface is divided into a left sidebar and a main content area. The sidebar contains links for Home, Environments, Learning, and Community. The main content area has a top bar with "ANACONDA.NAVIGATOR" and a "Connect" button. Below this is a "Search Environments" box and a filter dropdown menu currently set to "Installed". To the right of the filter is a "Channels" button and an "Update index..." button. Further right is a "Search Packages" box. The main content area displays a table of installed packages with columns for Name, Description, and Version. The table lists several packages including _ipyw_jlab_nb_ex..., alabaster, anaconda, anaconda-client, anaconda-project, aryo, appdirs, applaunchservices, and appnope. Red annotations highlight the "Installed" filter dropdown and the "Search Packages" box. Red text overlays the table, reading "Enter package name We want" and "dtale pandas-profiling".

Change filter from "Installed" to "All"

Enter package name We want

dtale pandas-profiling

Name	Description	Version
✓ _ipyw_jlab_nb_ex...		0.1.0
✓ alabaster		0.7.12
✓ anaconda		2021.11
✓ anaconda-client		1.9.0
✓ anaconda-project		0.10.1
✓ aryo		2.2.0
✓ appdirs		1.4.4
✓ applaunchservices		0.2.1
✓ appnope		0.1.2

436 packages available

Step 3 — Verify required packages are installed or, if not, install them

The image shows two screenshots of the Anaconda Navigator application interface, illustrating the process of verifying and installing required packages.

Top Screenshot: The interface shows the 'Channels' tab. A search bar at the top right contains the text 'dtaale'. Below it, a table lists available packages. The package 'dtaale' is highlighted with a red circle, and its status is indicated by a green checkmark and a green circle icon.

Bottom Screenshot: The interface shows the 'Channels' tab with a search bar at the top right containing the text 'pandas'. Below it, a table lists available packages. The package 'pandas' is highlighted with a red circle, and its status is indicated by a green checkmark and a green circle icon. A red circle also highlights the 'pandas-profiling' package, which is not installed (indicated by a red 'X' icon).

Annotations:

- Enter name*: A red text annotation pointing to the search bar in the bottom screenshot.
- If not installed, then click to install*: A red text annotation pointing to the 'pandas-profiling' package in the bottom screenshot.
- Click Apply to install packages*: A red text annotation pointing to the 'Apply' button at the bottom right of the bottom screenshot.

Table Data (Bottom Screenshot):

Name	Description	Version
<input type="checkbox"/> geopandas		0.9.0
<input type="checkbox"/> geopandas-base		0.9.0
<input checked="" type="checkbox"/> pandas		1.3.4
<input type="checkbox"/> pandas-datareader		0.9.0
<input checked="" type="checkbox"/> pandas-flavor		0.2.0
<input checked="" type="checkbox"/> pandas-profiling		2.9.0
<input type="checkbox"/> pandasql		0.7.3

7 packages available matching "pandas" 1 package selected

Buttons: Apply, Clear