

# MSc Data Mining

## Topic 02 : Exploratory Data Analysis

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### Part 02 : Installing Python Packages

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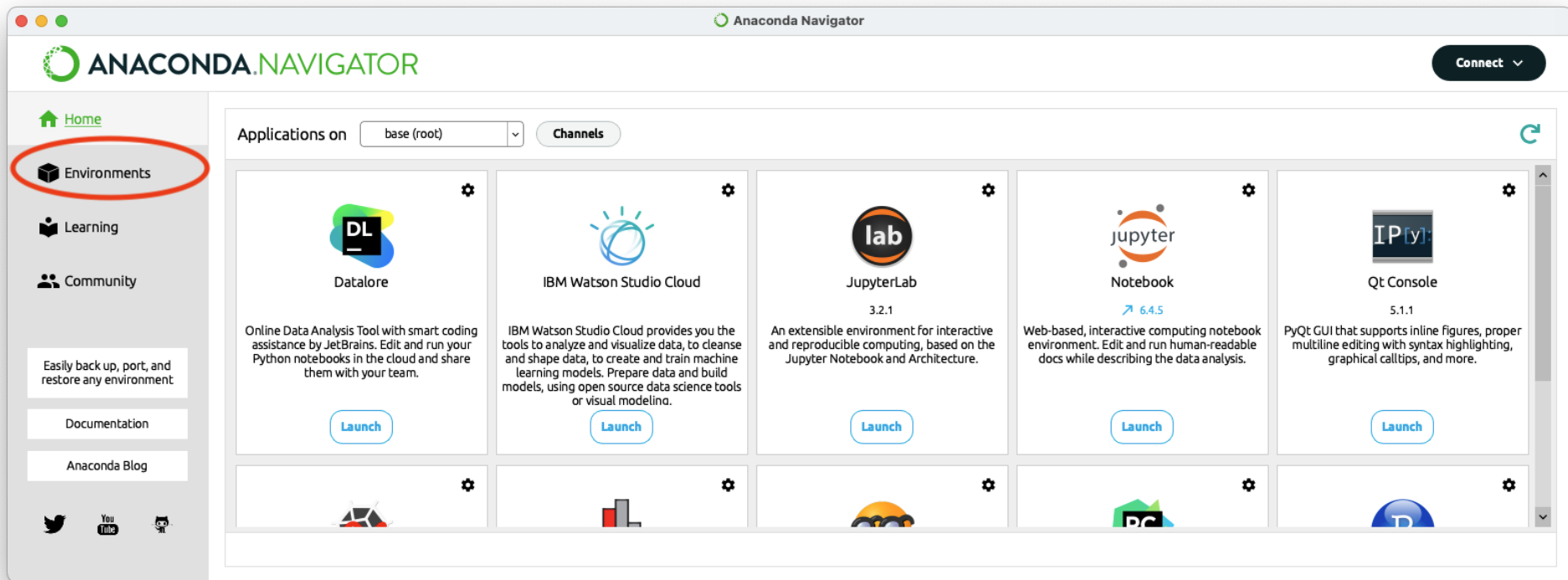
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#### Outline

- 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 header area contains the "ANACONDA.NAVIGATOR" logo on the left, a red annotation "Change filter from 'Installed' to 'All'" in the center, and a "Connect" button on the right. Below the header, the left sidebar has a "Home" button and a list of links: "Environments", "Learning", and "Community". The main content area is divided into three sections. The top section has a "Search Environments" search bar, a dropdown menu currently set to "Installed" (circled in red), a "Channels" button, and an "Update index..." button. The bottom section has a "Search Packages" search bar (circled in red). The central part of the interface displays a table of installed packages. The table has columns for "Name", "T", "Description", and "Version". The packages listed are: \_ipyw\_jlab\_nb\_ex..., alabaster, anaconda, anaconda-client, anaconda-project, anyio, appdirs, applaunchservices, and appnope. The "anaconda-client" row is highlighted. Red annotations "Enter package name" and "We want" are placed over the "anaconda-client" row. Below the table, the text "436 packages available" is shown. At the bottom of the sidebar, there are icons for "Create", "Clone", "Import", "Backup", and "Remove".

ANACONDA.NAVIGATOR

Change filter from "Installed" to "All"

Connect

Search Environments

base (root)

Installed

Channels

Update index...

Search Packages

Name	T	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
✓ anyio	○		2.2.0
✓ appdirs	○		1.4.4
✓ applaunchservices	○		0.2.1
✓ appnope	○		0.1.2

436 packages available

Create Clone Import Backup Remove

Enter package name  
We want

dtale  
pandas-profiling

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

The image displays 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 with a search bar containing "dtale". The table below lists the available packages:

Name	T	Description	Version
<input checked="" type="checkbox"/> dtale	<input type="radio"/>		1.61.1

**Bottom Screenshot:** The interface shows the "Channels" tab with a search bar containing "pandas". The table below lists the available packages:

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

**Annotations:**

- Enter name* (red text) points to the search bar in the bottom screenshot.
- If not installed, then click to install* (red text) points to the checkbox for "pandas-profiling" in the bottom screenshot.
- Click Apply to install packages* (red text) points to the "Apply" button in the bottom screenshot.

7 packages available matching "pandas" 1 package selected

## Step 4 —If packages are not listed then add extra channels

