Module 0: Installing Anaconda Navigator.

contributed by

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Anaconda and Jupyter notebook:

Anaconda is a distribution of Python and R programming languages (along with several other open source software) for computation. Anaconda is available for several operating systems including Windows, Linux and MacOS. It is developed and maintained by Anaconda Inc. Several packages for sophisticated data analysis methods are available in python/R. Jupyter notebook allows one to run python codes in a user friendly manner.

Installation of Anaconda:

To install the latest version of Anaconda compatible to the user's operating system, download it from Anaconda | The World's Most Popular Data Science Platform by following the below steps.

Step 1: Search for Anaconda download in the web browser. An image of a chosen web browser is given below.

anaconda
anaconda - Bing Search
anaconda - Bing Search
anaconda download
anaconda download
anaconda navigator
anaconda python
anaconda prompt
anaconda 3
anaconda distribution
anaconda download for windows 10

Figure 1: A typical list of web suggestions from a web browser

Step 2: Choose anaconda download.



Figure 2: Anaconda official website image

Step 3: Anaconda download page appears like Figure 3. Find the download button and choose the suitable version of the Anaconda Navigator as per the operating system of the user as shown in figure 4 for Windows operating system. Figure 5 is an image for downloading status of Anaconda.



Figure 3: Anaconda official page



Figure 4: Download button for Windows operating system



Figure 5: Downloading Anaconda

Step 4: The executable file will be downloaded. The logo of Anaconda will appear like in Figure 6.



Figure 6: Anaconda logo

Step 5:

To install, double click the executable file and click on the next button. The user needs to agree to the company's policy of license in order to install.

We suggest to follow the recommended step. Select the path (location) to install all the necessary files needed to execute Anaconda.

Further, this path is the standard working directory. The installation process will be then initiated and completion of it will lead to the Anaconda Navigator.

Following are the different stages of installing the Anaconda Navigator.

• Anaconda3 202	22.10 (64-bit) Setup	_		×
4	Welcome to Anac (64-bit) Setup	onda3 20	22.10	
ğ	Setup will guide you through the installation of Anaconda3 2022. 10 (64-bit).			
ANACONDA	It is recommended that you object to before starting Setup. This will relevant system files without computer.	ill make it possib	ole to updat	te
ANZ	Click Next to continue.			
\bigcirc				
		Next >	Car	ncel

Figure 7: Installing Anaconda window



Figure 8: License agreement

	• Anaconda3 2022	.10 (64-bit) Setup	_		×	
i	O ANACONDA.	Select Installation Type Please select the type of installatio Anaconda3 2022. 10 (64-bit).	on you would li	ke to perfe	orm for	
e						
5	Install for:					
2	 Just Me (recommended))				
2	All Users (requires admin privileges)					
2						
ι						
c						
C	Anaconda, Inc. ————	F				
i		< Back	Next >	Car	ncel	

Figure 9: Selection of the installation type

 Anaconda3 2022 	.10 (64-bit) Setup	-		×
O ANACONDA.	Choose Install Location Choose the folder in which to insta	all Anaconda3 2	022. 10 (64-b	it).
	3 2022. 10 (64-bit) in the following fol ect another folder. Click Next to cont		a different	
Destination Folder	da3	Bro	wse	
Space required: 3.7 GB Space available: 46.3 GB				
Anaconda, Inc	< Back	Next >	Cancel	

Figure 10: Choosing the location for installation



Figure 11: Anaconda app after successful installation

Step 6: The first page of the Anaconda Navigator will look like the figure given below.

me	All applications v on base (root) v Channels						
vironments	¢ DS	° °	¢	¢	° °	¢	
arning	DataSpell	CMD.exe Prompt	JupyterLab	Notebook	Powershell Prompt	PvCharm Community	
mmunity	DataSpell is an IDE for exploratory data analysis and prototyping machine learning models. It combines the interactivity of Jupyter notebooks with the intelligent Python and R coding assistance of Pytherm	0.1.1 Run a cmd.exe terminal with your current environment from Navigator activated	3.44 An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.	→ 6.4.12 Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.	0.0.1 Run a Powershell terminal with your current environment from Navigator activated	2021.3.2 An IDE by JetBrains for pure Python development. Supports code completion, listing, and debugging.	
	in one user-friendly environment.	Launch	Launch	Launch	Launch	Launch	
	¢ IP[y]:	*	×	÷	>	÷	
	Qt Console 75.22 PyQt CUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.	Spyder 7 5.22 Scientific Prvhon Development EnviRonment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features	VS Code 1.73,1 Streamlined code editor with support for development operations like debugging, task running and version control.	Datalore Kick-start your data science projects in seconds in a pre-configured environment. Enjoy coding assistance for Python, SQL, and R in Juyeter notebook and benefit from no-code automations. Use Datalore online for free	Deepnote Deepnote is a notebook built for collaboration. Create notebooks in your browser, spin up your conds environment in seconds and share with a link.	IBM Watson Studio Cloud IBM Watson Studio Cloud provides you the tools to analyze and visualize data, to cleance and shape data, to create and train machine learning models. Prepare data and build models, using open source data science tools or visual modeling.	
onda	Launch	Launch	Launch	Launch	Launch	Launch	
notebooks with ids of packages to code. earn More	Cloud Infrastructure	, î	÷	°	R *		
	Oracle Data Science Service	Glueviz	Orange 3	PyCharm Professional	RStudio		
umentation aconda Blog	OCI Data Science offers a machine learning platform to build, train, manage, and deploy your machine learning models on the cloud with your favorite open-source	1.0.0 Multidimensional data visualization across files. Explore relationships within and among related datasets.	3.32.0 Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.	A full-fiedged IDE by JetBrains for both Scientific and Web Python development. Supports HTML, JS, and SQL.	1.1.456 A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.		

Figure 12: Anaconda Navigator

This completes the process of installation of the Anaconda Navigator.