R Programming and R studio installation guide

R is a powerful programming language used for statistical computing and graphics. If you're interested in learning R, the first step is to download and install R on your computer. Once R is installed, you can then install RStudio, an integrated development environment (IDE) that makes it easier to work with R.

To get started, follow these steps:

Download R from the official website at https://www.r-project.org/.

Click on the "download R" link, and then choose a mirror site closest to your location.

Once the download is complete, run the installer and follow the prompts to install R on your computer. You can choose the default options unless you have a specific reason to change them.

Recommended for download https://cran.rstudio.com/

After installing R, go to https://posit.co/download/rstudio-desktop/ and download the appropriate version of RStudio for your operating system. There are free and paid versions of RStudio, but for beginners, the free version is sufficient.

Run the RStudio installer and follow the prompts to complete the installation. RStudio should automatically detect your R installation and configure itself accordingly.

Once R and RStudio are installed, you're ready to start using R. Open RStudio and you'll see a console window where you can start typing R commands. You can also create new scripts, load data, and create plots using the RStudio interface.

If you run into any issues during the installation process, the R community is very helpful and there are many online resources available to help you troubleshoot. With R and RStudio installed, you're ready to start exploring the world of statistical computing and data analysis!

Links

https://cran.rstudio.com/

https://posit.co/download/rstudio-desktop/

https://teacherscollege.screenstepslive.com/a/1108074-install-r-and-r-studio-for-windows

PyCharm Installation

PyCharm is a cross-platform IDE that provides consistent experience on the Windows, macOS, and Linux operating systems.

https://www.jetbrains.com/help/pycharm/installation-guide.html

Google Colab

Google Colab is a cloud-based service that allows you to write and run Python code in your web browser without needing to install anything on your local machine.

It's a great tool for anyone who wants to learn Python or work on data science and machine learning projects without the hassle of setting up and configuring a development environment.

With Google Colab, you can easily share your work with others and collaborate in real-time. Plus, it's completely free to use!

Steps to register and access Google Colab:

1. Go to the Google Colab website (colab.research.google.com).
2. Click the "Sign in" button in the top right corner of the page.
3. If you're not already signed in to a Google account, enter your login credentials to sign in.
4. Once you're signed in, you'll be taken to the Google Colab home page where you can create a new notebook or open an existing one.
5. To create a new notebook, click the "New notebook" button in the top left corner of the page.
6. Choose a runtime type (CPU, GPU, or TPU) and click "Create" to start your notebook.

You're now ready to write and run Python code in your Google Colab notebook!

https://colab.research.google.com/