



Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Experiment No. 1

Aim: Introduction to Data analytics libraries in Python and R.

Objective- Understand the use of Python and R, To effectively use libraries for data science.

Description:

Why Choose Python?

Python is a general-purpose, open-source programming language used in various software domains, including data science, web development, and gaming.

Launched in 1991, Python is one of the most popular programming languages in the world, occupying the top position in several programming language popularity indices, such as the TIOBE Index and the PYPL Index.

One of the reasons for the worldwide popularity of Python is its community of users. Python is backed by a vast community of users and developers who ensure the smooth growth and improvement of the language, as well as the continuous release of new libraries designed for all kinds of purposes.

Python is an easy language to read and write due to its high similarity with human language. In fact, high readability and interpretability are at the heart of the design of Python. For these reasons, Python is often cited as a go-to programming language for newcomers with no coding experience.

Over time, Python has been gaining popularity in the field of data science thanks to its simplicity and the endless possibilities provided by the hundreds of specialized libraries and packages that support any kind of data science task, such as data visualization, machine learning, and deep learning.

Why Choose R?

R is an open-source programming language specifically created for statistical computing and graphics.