



Byewise Fellowship Program

DATA SCIENCE

Task 08

BWT- Data Science (Group1)

Submitted to: Mahrukh Khan

Submitted by: Usama Malik



Task: Essential Python Libraries (Numpy , Pandas , matplotlib , scikit-learn , seaborn)

NumPy

Definition: NumPy is a Python library used for working with arrays. It provides support for large multidimensional arrays and matrices, along with a collection of mathematical functions to operate on these arrays.

Pandas

Definition: Pandas is a powerful data manipulation library for Python. It provides data structures like DataFrames and Series, which are useful for handling and analyzing structured data.

Matplotlib

Definition: Matplotlib is a plotting library for Python. It allows for the creation of static, interactive, and animated visualizations in Python.

Scikit-learn

Definition: Scikit-learn is a machine learning library for Python. It provides simple and efficient tools for data mining and data analysis, including various algorithms for classification, regression, clustering, and more.

Seaborn

Definition: Seaborn is a Python data visualization library based on Matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics.

