**Complete data analysis course with python**

**About the course**

Data analysis has been around for a while now, and it was only until recently that the importance of data analysis has skyrocketed. Earlier we were using expensive cloud computing tools and closed source software until the advent of python and other open libraries.

**How python is used in data analytics?**

The reason why python is so extensively used in data analytics is because of its versatility in giving multifaceted solutions. Another point is that since python is a general-purpose language, deeper functionality can be added to data analytics software rather than languages that have a narrow scope and functionality.

Python is mainly used in data analytics for its ability in creating and managing data structures quick and easily. We use pandas for doing operation on data since it has a lot of tools necessary for our requirement.

The 2 main type of libraries we use in data analysis are NumPy and pandas

**NumPy**

The word NumPy stands for numerical python. This library is mainly used as support for multidimensional arrays and matrices, alongside high-level mathematical functions to operate on these arrays. NumPy is seriously fast and versatile with the industry standards of array computing like vectorization indexing and broadcasting concepts. It also supports a wide range of computing platforms and handles well with GPU, and sparse array libraries

**Pandas**

Pandas stands for python data analysis library. It is a fast, powerful and easy to use open source tool for data analysis and management built on top of python language. Mainly used for data analysis it has various tools for data manipulation operations such as reshaping, selecting as well as data wrangling and data cleaning.

**What is the scope of data analysis?**

Since data is essential for the working of any company, the field of data science is expected to grow at least 10-fold by the year 2025. Experts who are well versed in data analytics are crucial for the proper functioning of organizations. The scope of data analytics includes companies in policing, banking, healthcare, e-commerce, energy, telecommunications, and risk management.

**What is the average salary for a data analyst in India?**

The salary for a beginner data analyst is 507,269 INR per year in India. Data scientist having a 2-year experience can make around 921,957 INR per year.

**What do you learn from our course?**

In this Complete data analytics course with python, you will learn how to use python to analyze, perform simple and complex statistical analysis, Create data visualizations. Learn how to use NumPy and Pandas libraries and more.