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Data Science: Practical Approach with Python & R

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Editor ID:
IIPER1674201758

IIP Proceedings
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Call for Chapters
Data Science: Practical Approach with Python & R

Aim & Scope

Data science aims to drill the data to discover hidden potential and to bring value. It has been an integral part of businesses at all levels. The irreplaceable demand for data analysis secures a niche for data scientists in businesses. Data science is a multidisciplinary field that works on big data to extract knowledge and inferences from it. It is a coalescence of specialized programming, artificial intelligence, analytics, and machine learning with math and statistics.

The data science workflow prepares, processes, analyses, and communicates the data and its insights to the businesses to enhance decision-making and strategy planning.

With data science technology rapidly advancing and data becoming ever more valuable, data science is one of the most in-demand professions today. Data scientists work to understand data, interpret it, and use it for informed decision-making in companies, government departments, and other organizations.

To build a data science career in India, you must understand data science tools and technologies. You should also be able to interpret data, develop data models and build data analytics solutions. In addition, you must possess strong problem-solving skills, excellent communication abilities, and a drive to find insights into data.

Overall, data science is a good career option if you are looking to make an impact with data-driven decision-making. With the increasing data science future scope, it is worth considering as a career path if you want to work in the data field. Moreover, data science jobs tend to pay well and offer exciting opportunities for those who pursue them.

Chapter Highlights

Data Science and Statistics
Role of Statistics in Data Science
Difference between Data Science and Data Analytics
Knowledge and Skills for Data Science Professionals
Some Technologies used in Data Science
Career Path for Data Science Professional and Data Scientist
Climate Change Impacts on the Global Food Supply
Gender and Age Detection with Data Science.
Driver Drowsiness Detection in Python.
Developing machine learning algorithms to predict stock prices
Using natural language processing to analyze social media data
Predictive modelling of customer churn
Analyzing large datasets to identify patterns and trends
Developing recommendations systems for e-commerce platforms
Exploring the ethical implications of big data and data mining
Using data visualization techniques to communicate complex data insights
Applying data science techniques to optimize supply chain management

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