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Learning Style: On Demand

Provider: Microsoft

Difficulty: Intermediate

Course Duration: 18 Hours

Ethics and Law in Data and Analytics



About this Course:

Private and Government Organizations and Business Enterprises direly need the services of professionals with proficiency in Data Analytical Tools and Artificial Intelligence. These professionals help businesses develop & implement practical solutions by conducting vigorous data analysis. This course is specifically designed

for candidates striving to pursue a career as a Data Analyst and Data Scientist. On average, a Professional Data Scientist earns \$90,044 annually.

This intermediate-level course focuses on the key concepts relating to the integration of ethics, law, and business in the world of data analytics. Professionals will get to learn the art of integrating ethical frameworks to help businesses work proficiently with data and optimize business processes and operations. This course also gives professional practical experience of working with data and helps them understand the use & application of popular AI, Big Data, and Data Science Approaches.

In addition to this, professionals will also get to review the Applied Concepts of AI and Data Analytics.

Course Objectives:

The core objective of this course is to help professionals gain a better knowledge and understanding of the following key concepts:

- Fundamentals of Ethics, Data, & Law and Ethical Data Practices
- Big Data Profession and Framework Legal & Ethical Applications
- Getting to Know Data Bias, Identity, and Power
- Resolving Big Data, Data Science, and AI Analytical Problems
- Data Analytics and Ethics Application in a Business Enterprise
- Understanding Applied Data Concepts
- Artificial Intelligence and Data Analytics Ethical Approaches

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Data Analysts and Data Scientists
- IT Professionals and Experts
- Professionals working in Data Center with AI and Big Data

Prerequisites:

There are no obligatory prerequisites for the Ethics and Law in Data and Analytics Course.

Course Outline:

Data, Ethics, and Law

- Data's Ethical Foundations
- Data's Legal Foundations
- Ethical Data Practice
- Lab

Data, Individuals, and Society

- Data Bias and Identity
- Data Privacy and Power
- Lab

Data Ethics and Law in Business

- Business and Ethical Data Use
- Business and Data Privacy
- Lab

Artificial Intelligence and Future Opportunities

- AI and Design
- XAI
- Lab

Final Evaluation

- Final Evaluation
- Wrap Up?

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