Training Course on Data Ethics and Responsible Data Use

Professional Development Training Course Outline

Category	Data Security	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In an era dominated by big data, AI, and machine learning, the ethical use of data has become a pivotal concern across industries. This cutting-edge training course explores the crucial principles, frameworks, and practices that guide the responsible use of data in modern organizations. With growing concerns around data privacy, algorithmic bias, AI transparency, and digital accountability, professionals must now develop the skills to ethically manage and use data while protecting stakeholder interests.

Training Course on Data Ethics and Responsible Data Use is designed to provide professionals, policy-makers, and organizations with actionable knowledge on ethical data governance, data protection regulations (such as GDPR and CCPA), and how to build a culture of data integrity and compliance. Through case studies, real-world simulations, and expert insights, participants will gain a robust understanding of how to responsibly leverage data while mitigating ethical risks.

Programme Curriculum

Training Course on Data Ethics and Responsible Data Use

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expert insights, participants will gain a robust understanding of how to responsibly leverage data while mitigating ethical risks.

Course Objectives

1. Understand core principles of data ethics and AI ethics.
2. Apply data privacy best practices across platforms.
3. Identify and mitigate algorithmic bias and discrimination.
4. Implement ethical AI frameworks in data-driven systems.
5. Evaluate data sources for transparency and validity.
6. Promote digital equity and inclusion in data practices.
7. Navigate legal frameworks like GDPR and CCPA.
8. Foster ethical data governance in organizational settings.
9. Analyze ethical implications of automated decision-making.
10. Build organizational policies for data stewardship.
11. Understand ethical issues in surveillance and tracking.
12. Apply fairness, accountability, and transparency (FAT) principles.
13. Design and implement an ethical data lifecycle.

Target Audience

1. Data Scientists
2. IT and AI Professionals
3. Policy Makers and Regulators
4. Legal and Compliance Officers
5. Researchers and Academics
6. Product and Project Managers
7. Healthcare and Finance Analysts
8. Corporate Trainers and HR Professionals

Course Duration: 5 days

Course Modules

Module 1: Foundations of Data Ethics

- Defining data ethics and its significance
- Key ethical theories in data science
- Historical context and evolution
- Importance of ethical decision-making
- Tools for ethical risk assessment
- **Case Study: Facebook-Cambridge Analytica Data Scandal**

Module 2: Privacy, Consent, and Data Protection

- Understanding personal vs sensitive data
- Legal landscape: GDPR, CCPA, HIPAA
- Informed consent and transparency
- Minimizing data collection and retention
- Rights of data subjects
- **Case Study: Google Street View and Unauthorized Data Capture**

Module 3: Algorithmic Fairness and Bias Mitigation

- Types and sources of algorithmic bias

- Strategies for bias detection and correction
- Tools for algorithm auditing
- Ethical machine learning model development
- Ensuring fairness in automated systems
- **Case Study: Racial Bias in Recidivism Prediction Algorithms**

Module 4: Ethical AI and Machine Learning

- Responsible AI principles
- Explainability and transparency in models
- Accountability in AI-driven decisions
- Human-centered AI design
- Risk assessment in AI deployment
- **Case Study: Microsoft Tay Chatbot Incident**

Module 5: Data Governance and Accountability

- Core elements of data governance
- Roles and responsibilities of data stewards
- Building ethical oversight committees
- Documentation and audit trails
- Risk management and compliance
- **Case Study: Equifax Data Breach and Accountability Failures**

Module 6: Ethical Data Use in Business and Marketing

- Data-driven marketing vs consumer rights
- Behavioral tracking and ethical concerns
- Ethical use of cookies and tracking tech
- Balancing personalization with privacy
- Cross-border data flows and ethics
- **Case Study: Target's Predictive Analytics Controversy**

Module 7: Emerging Technologies and Ethical Challenges

- Data ethics in IoT, blockchain, and VR
- Surveillance ethics and facial recognition
- Deepfakes and misinformation
- Cybersecurity and ethical hacking
- Global trends and ethical futures
- **Case Study: China's Social Credit System**

Module 8: Building Ethical Cultures and Policies

- Creating ethical codes and guidelines
- Training and awareness programs
- Leadership in data ethics
- Integrating ethics into workflows
- Monitoring and evaluation mechanisms
- **Case Study: IBM's Ethical AI Policy Implementation**

Training Methodology

- Interactive instructor-led sessions (in-person/virtual)
- Real-world case study analysis for applied learning
- Breakout group activities and role-play scenarios

- Hands-on tools for ethical risk assessment and audits
- Downloadable frameworks, toolkits, and ethical checklists
- Quizzes and end-of-module assessments for comprehension

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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