Automated Insights Generation Training Course

Professional Development Training Course Outline

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

Course Introduction

Augmented Analytics is revolutionizing the way organizations analyze data, combining artificial intelligence, machine learning, and advanced analytics to provide actionable insights faster and more accurately. Augmented Analytics Training Course is designed for professionals seeking to enhance decision-making capabilities, improve business intelligence strategies, and leverage automated insights to drive competitive advantage. Participants will gain hands-on experience in using augmented analytics tools, integrating predictive and prescriptive analytics, and transforming raw data into high-value business intelligence.

In this training, learners will explore cutting-edge techniques in data visualization, cognitive analytics, and natural language processing (NLP) to uncover hidden patterns and trends. By the end of the program, participants will be equipped to implement augmented analytics strategies, optimize data-driven decision-making, and enhance organizational efficiency across various industries. The course emphasizes real-world applications, interactive case studies, and practical exercises to ensure knowledge retention and applicability in professional settings.

Programme Curriculum

Augmented Analytics Training Course

Introduction

Augmented Analytics is revolutionizing the way organizations analyze data, combining artificial intelligence, machine learning, and advanced analytics to provide actionable insights faster and more accurately. Augmented Analytics Training Course is designed for professionals seeking to enhance decision-making capabilities, improve business intelligence strategies, and leverage automated insights to drive competitive advantage. Participants will gain hands-on experience in using augmented analytics tools, integrating predictive and prescriptive analytics, and transforming raw data into high-value business intelligence.

In this training, learners will explore cutting-edge techniques in data visualization, cognitive analytics, and natural language processing (NLP) to uncover hidden patterns and trends. By the end of the program, participants will be equipped to implement augmented analytics strategies, optimize data-driven decision-making, and enhance organizational efficiency across various industries. The course emphasizes real-world applications, interactive case studies, and practical exercises to ensure knowledge retention and applicability in professional settings.

Course Objectives

1. Understand the fundamentals of augmented analytics and its impact on modern business intelligence.
2. Explore AI-driven data preparation, predictive analytics, and advanced visualization techniques.
3. Implement machine learning models for automated insights and decision-making.
4. Utilize natural language processing for interactive data exploration.
5. Develop self-service analytics capabilities for enhanced organizational efficiency.
6. Identify key performance indicators and metrics using augmented analytics tools.
7. Integrate data from multiple sources for holistic business analysis.
8. Apply prescriptive analytics to optimize business outcomes and strategies.
9. Learn industry best practices and trends in data-driven decision-making.
10. Conduct root-cause analysis and predictive trend forecasting.
11. Design dashboards and automated reporting solutions for stakeholders.
12. Evaluate ROI and business impact of augmented analytics implementations.
13. Enhance collaboration between business and technical teams through data democratization.

Organizational Benefits

- Improved decision-making speed and accuracy through AI-driven analytics.
- Enhanced ability to predict market trends and business outcomes.
- Optimized operational efficiency via automated insights.
- Reduced dependency on manual data analysis.
- Increased data literacy across organizational teams.
- Better identification of business opportunities and risks.
- Streamlined reporting and performance monitoring processes.
- Improved cross-departmental collaboration through shared dashboards.
- Competitive advantage via data-driven strategic planning.
- Enhanced ROI through intelligent business analytics implementations.

Target Audiences

1. Business Analysts
2. Data Analysts
3. Data Scientists
4. Business Intelligence Developers
5. IT Professionals
6. Project Managers
7. Strategy Consultants
8. Decision Makers and Executives

Course Duration: 10 days

Course Modules

Module 1: Introduction to Augmented Analytics

- Definition and evolution of augmented analytics
- Key components: AI, ML, NLP
- Benefits and challenges of adoption
- Overview of leading tools and platforms
- Industry use cases and success stories
- Case Study: Retail company improving sales forecasting

Module 2: Data Preparation and Integration

- Understanding structured and unstructured data
- Data cleaning, transformation, and enrichment
- Integrating multiple data sources
- Data quality management
- Tools for automated data preparation
- Case Study: Finance sector reducing reporting errors

Module 3: Predictive Analytics Techniques

- Overview of predictive modeling
- Regression, classification, and clustering
- Model evaluation and validation techniques
- Forecasting business trends using AI
- Automation in predictive analytics
- Case Study: E-commerce company predicting customer churn

Module 4: Prescriptive Analytics for Decision Making

- Introduction to prescriptive analytics
- Optimization techniques
- Scenario analysis and simulation
- Recommender systems for business applications
- Automating decision workflows
- Case Study: Logistics company optimizing delivery routes

Module 5: Machine Learning for Business Insights

- Supervised and unsupervised learning applications
- Model deployment and monitoring
- Algorithm selection for business problems
- Enhancing decision-making with ML models
- Ethical considerations in AI and analytics
- Case Study: Telecom company improving customer retention

Module 6: Natural Language Processing in Analytics

- NLP concepts and business applications
- Text mining and sentiment analysis
- Chatbots and conversational analytics
- Extracting insights from unstructured data
- Tools and frameworks for NLP

- Case Study: Social media brand sentiment analysis

Module 7: Advanced Data Visualization

- Designing dashboards for stakeholders
- Interactive visualization techniques
- Storytelling with data insights
- Real-time data visualization tools
- Performance monitoring using dashboards
- Case Study: Healthcare provider tracking patient outcomes

Module 8: Self-Service Analytics

- Empowering business users with analytics
- Tools for non-technical users
- Automating report generation
- Ensuring governance and security
- Enhancing decision-making efficiency
- Case Study: Manufacturing firm reducing dependency on IT

Module 9: AI-Driven Insights and Automation

- Automating insight generation
- Real-time analytics and alerts
- Predictive maintenance applications
- Cognitive analytics for complex datasets
- Integration with enterprise systems
- Case Study: Energy company optimizing equipment maintenance

Module 10: Augmented Analytics Tools and Platforms

- Overview of top augmented analytics software
- Feature comparison and selection criteria
- Hands-on exercises with leading tools
- Implementing analytics solutions in organizations
- Tool integration with existing workflows
- Case Study: Banking institution implementing Tableau AI

Module 11: Business Metrics and KPI Analysis

- Identifying key metrics for performance tracking
- KPI visualization and reporting
- Benchmarking and goal setting
- Root-cause analysis for business performance
- Predictive KPI monitoring
- Case Study: Retail chain improving inventory management

Module 12: Industry Applications of Augmented Analytics

- Finance, healthcare, retail, and logistics applications
- Case-based learning and best practices
- Challenges and solutions in different industries

- Strategic advantages of augmented analytics
- Measuring ROI and business impact
- Case Study: Pharmaceutical company optimizing drug trials

Module 13: Advanced Forecasting and Trend Analysis

- Predictive modeling for business forecasting
- Scenario planning and simulation
- Time series analysis techniques
- Incorporating external data sources
- Evaluating forecasting accuracy
- Case Study: Airlines optimizing flight scheduling

Module 14: Governance, Security, and Ethics

- Data governance frameworks
- Ensuring analytics compliance
- Privacy and security best practices
- Ethical AI implementation
- Risk management strategies
- Case Study: Financial institution ensuring data compliance

Module 15: Capstone Project and Implementation

- Designing end-to-end augmented analytics solution
- Applying learned tools and techniques
- Presenting insights to stakeholders
- Measuring project success and ROI
- Hands-on team project execution
- Case Study: Cross-industry analytics implementation

Training Methodology

- Instructor-led interactive sessions with hands-on exercises
- Case studies for real-world scenario analysis
- Group discussions and collaborative problem-solving
- Practical workshops for tool-based learning
- Quizzes and assessments for knowledge reinforcement
- Capstone projects to demonstrate applied skills

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
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

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com