

Applying AI-powered Augmented Analytics to Business Data in SAP Analytics Cloud

Course Description

This course provides a comprehensive exploration of AI-powered augmented analytics within SAP Analytics Cloud. Participants will gain hands-on experience in building and deploying classification, regression, and time-series models while leveraging the platform's intelligent features for data visualization and predictive analytics. By the end of this course, learners will be equipped with the skills to integrate AI-driven insights into their business decision-making processes.

Audience Profile

This course is designed for:

- **Data Analysts** who seek to enhance their data visualization and predictive analytics skills using AI-powered features.
- **Data Scientists** looking to build and deploy predictive models within SAP Analytics Cloud.

Prerequisites

- Prior knowledge of **SAP Analytics Cloud** is recommended.
- Basic understanding of **data analytics and machine learning concepts** is beneficial but not mandatory.

Course Objectives

Upon completing this course, learners will be able to:

- Explain the role of **AI, Machine Learning, and Augmented Analytics** in business intelligence.
- Utilize **SAP Analytics Cloud Smart Features** for natural language-based data visualization and predictive analytics.
- Prepare data effectively for **predictive analysis** by defining variables, data sources, and data structures.
- Build and deploy **classification models** to categorize business data.
- Develop and analyze **regression models** for predictive analytics.
- Construct **time-series models** to forecast trends and patterns.
- Integrate **augmented analytics with planning** for strategic business decision-making.

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Unit 1: Introducing AI, Machine Learning, and Augmented Analytics

- Explain the role of **AI technology** in augmented analytics.
- Understand the **fundamental concepts of AI and machine learning** in SAP Analytics Cloud.

Unit 2: Using SAP Analytics Cloud Smart Features

- Use **natural language processing (NLP)** to visualize data.
- Identify and explore key features of **SAP Analytics Cloud Smart Predict**.

Unit 3: Preparing Data for Predictive Analysis in SAP Analytics Cloud Smart Predict

- Create **predictive scenarios** and define necessary data sources.
- Explain data types and **automated data encoding processes**.
- Verify and correct **column details** for effective predictive modeling.

Unit 4: Working with Classification Models

- Introduce **classification analysis** and its applications.
- Build a **classification model** and analyze its results.
- Apply a classification model within **SAP Analytics Cloud Smart Predict**.

Unit 5: Working with Regression Models

- Explain **regression analysis** and its role in predictive analytics.
- Identify key steps to **build and apply regression models**.
- Analyze the **results of regression models** in Smart Predict.

Unit 6: Working with Time Series Models

- Understand **time series analysis** in predictive modeling.
- Build and apply **time-series models** using Smart Predict.
- Analyze results to enhance **forecasting accuracy**.

Unit 7: Combining Augmented Analytics with Planning

- Integrate **time-series forecasting models** with business planning.
- Apply AI-powered insights to **optimize strategic decision-making**.