

Data Decisions with AI: Leveraging Generative Analysis for Business Growth / Deep Dive into Pandas.ai - TTAI2065

Step into the future of data analytics with our half-day course focused on leveraging Generative AI through Pandas.ai, a cutting-edge tool designed for data professionals keen on elevating their analytical skills.

Duration: Half-Day

Skill Level: Introductory

Available Format: Instructor-Led Online ; On Public Schedule

Step into the future of data analytics with our half-day course focused on leveraging Generative AI through Pandas.ai, a cutting-edge tool designed for data professionals keen on elevating their analytical skills. This session introduces the transformative potential of Generative AI in data analytics, offering hands-on experience with Pandas.ai to revolutionize feature engineering, data wrangling, and exploratory data analysis. Participants will discover how to integrate AI into their data analysis workflows for more efficient data processing, gaining deeper insights and enhancing data quality. By exploring AI-assisted techniques, you'll not only speed up your analytical tasks but also gain advanced skills that provide a competitive edge in today's data-driven landscape, all while making informed decisions based on clearer, more comprehensive data insights.

NOTE: This session is a core component of our **Exploring AI for the Enterprise Kick Start Series**, a collection of engaging short courses designed to guide business leaders, IT professionals, and data analysts through essential AI knowledge and applications. Each workshop in this series, led by industry experts, covers specific AI topics—ranging from foundational concepts to advanced tools like conversational and generative AI—providing practical skills and strategic insights. Participants can attend individual sessions or the entire series to fully harness AI's potential for business innovation and gain a competitive edge.

What You'll Learn

Overview

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Objectives

- **Introduction to Generative AI in Analytics:** Understand the role and capabilities of Generative AI in data analytics, setting the stage for advanced analytical techniques.
- **Mastering Pandas.ai:** Get a comprehensive overview of Pandas.ai, including its integration with existing data analysis workflows.
- **AI-Assisted Feature Engineering:** Learn how Generative AI can enhance feature engineering, leading to more insightful and accurate data models.
- **Efficient Data Wrangling with AI:** Explore how AI can automate and optimize the data cleaning and preparation process, saving time and improving data quality.
- **Innovative Exploratory Data Analysis (EDA):** Dive into AI-assisted EDA techniques for deeper insights and visualization strategies.

Audience

Tailored for data-focused professionals, this session helps those interested in using generative AI for deeper insights and streamlined data processes. Ideal for roles that involve data analysis, reporting, and strategic decision-making.

Roles might include: Data analysts, business intelligence professionals, data scientists

Pre-Requisites

- Basic data analysis skills (e.g., Excel, SQL, or data visualization tools)
- Familiarity with data processing techniques
- Interest in exploring advanced data-driven insights with AI

TTAI2020	AutoGPT in Action: Artificial General Intelligence (AGI) Basics for Everyday Business Use
TTAI2105	Streamline, Optimize, Succeed! AI & AIOps Automation Basics for Non-Technical Business Users
TTAI2009	Quick Start to Prompt Engineering for Business Users

Agenda

- Dive into Generative AI: Your Analytics Game-Changer
- Pandas.ai: Boosting Your Data Skills
- Feature Engineering: Crafting Smarter Data with AI
- Data Cleansing: AI Makes It Easier and Faster
- Exploratory Data Analysis: Uncover Insights with AI
- AI for Business Insights: Making Data Work Harder
- Streamlining Workflows: AI's Role in Data Efficiency
- Navigating Data Ethics: AI Analysis With Care
- Real Success Stories: AI's Impact on Data Decisions
- What's Next: Future Trends in AI and Data

Related Courses

TTAI2105	Streamline, Optimize, Succeed! AI & AIOps Automation Basics for Non-Technical Business Users
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For More Information

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