CENTRAL BANK OF EGYPT
Egyptian Banking Institute

INNOVATE
ENABLING TOMORROW

DATA INSIGHTS WITH AI

Empower analysts to leverage AI tools for enhanced analysis and reporting, accelerating time-to-insight and translating data into decision-ready business intelligence.

COURSE DESCRIPTION

This course equips data analysis and reporting professionals with practical skills to use AI for faster and more effective data analysis. Participants will learn how to query data using natural language, generate automated insights, and transform complex datasets into clear, decision-ready reports. Through hands-on exercises and realistic banking scenarios, the course demonstrates how AI can streamline reporting workflows and support better business decisions.

TARGET AUDIENCE

Data analytics & Reporting Teams

COURSE OBJECTIVE

Empower analysts to leverage AI tools for enhanced analysis and reporting, accelerating time-to-insight and translating data into decision-ready business intelligence.

LEARNING OUTCOMES

- Apply AI analytics tools to banking datasets
- Generate automated insights from complex data
- Create AI-assisted management reports
- Identify patterns, anomalies, and early warning signals using AI
- Translate analytical findings into actionable business recommendations

KEY TOPICS

- Natural language querying of banking data
- Automated insight generation and narrative reporting
- Pattern recognition and predictive signals in banking
- AI-powered analytics tools and platforms
- Data preparation and confidentiality best practices
- Building reusable AI-powered reporting workflows
- Hands-on labs using realistic Egyptian banking scenarios

COURSE OUTLINE

Opening: The Analyst's New Superpower

Live demonstration of AI querying a banking dataset in real time. Participants identify their most time-consuming report as their personal challenge for the day.

Module 1: Talk to Your Data

Natural language querying of banking datasets — extracting answers, rankings, and anomalies without formulas or code.

Exercise: Branch data exploration + ad-hoc manager Q&A under time pressure | Claude / Microsoft Copilot

Module 2: From Raw Numbers to a Story

Prompt engineering for data analysis — generating executive summaries, surfacing risks and opportunities, and structuring findings for management audiences.

Exercise: AI-assisted one-page management report from a loan portfolio dataset | Claude / Microsoft Copilot

Module 3: Spotting What the Numbers Are Hiding

AI-powered pattern recognition to surface anomalies, trends, and early warning signals not visible in raw data.

Exercise: Team challenge: identify hidden patterns in a transaction dataset and recommend management actions | Claude / Microsoft Copilot

Module 4: Build Your Own Insight Workflow

Design a repeatable, prompt-driven reporting process that replaces hours of manual work each month.

Exercise: Personal Prompt Template Pack — built, tested, and peer-reviewed during the session | Claude / Microsoft Copilot / Manus

CLOSING & COMMITMENTS

Each participant commits to one report or analysis they will complete with AI before next month. Group reflection and Q&A.

PRE-REQUISITE RECOMMENDATION

It is strongly recommended that participants complete GenAI for Everyone prior to attending this course. Participants who have not yet attended may cover the core concepts — GenAI fundamentals, prompt engineering, and responsible AI use — through self-paced learning beforehand.