

Lesson 5: Risks and Ethical Considerations

Overview:

Generative AI introduces new challenges around bias, accuracy, and compliance.

Key Points:

- **Hallucination Risk:** AI may generate factually incorrect content
- **Data Privacy:** Must comply with financial data regulations (e.g., GDPR, SOX)
- **Bias:** AI models can inherit and amplify training data biases
- **Explainability:** Outputs must be auditable and transparent

In-Depth:

Risk mitigation includes prompt engineering, model validation, and compliance checks as part of the AI lifecycle.

Lesson 6: Future of Generative AI in Finance

Overview:

The next phase of generative AI will deepen automation and personalization across finance.

Key Points:

- **Embedded AI:** Integrated into financial products and platforms
- **Real-Time Generation:** Instant insights based on live data
- **Collaboration Tools:** AI co-pilots for analysts and advisors
- **Regulation:** Global standards emerging for responsible AI use

In-Depth:

As technology matures, financial institutions must invest in governance, continuous training, and ethical AI adoption.

Key Skills Developed

- Identifying relevant use cases for generative AI in finance
 - Evaluating and selecting AI tools and models
 - Applying AI to generate reports, summaries, and insights
 - Interpreting generative outputs for decision-making
 - Understanding ethical and regulatory implications
 - Educating teams on integrating AI in workflows
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Assessment Criteria

- Knowledge of generative AI concepts and applications
- Ability to identify opportunities in financial operations
- Familiarity with tools and platforms
- Competence in implementing and managing generative AI tools
- Awareness of ethical, compliance, and risk management frameworks
- Capacity to train teams and evaluate AI impact on business