



# Hands-On Learning Activity: Future Trends in AI for Financial Modeling

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Hands-On Learning activity encourages forward-thinking by applying trends and compliance considerations in AI to real-world financial modeling. You'll explore emerging technologies, evaluate risks, and plan implementation strategies.



# Objective



To identify upcoming AI trends, assess regulatory implications, and outline a roadmap for integrating AI into financial modeling responsibly.

## Instructions



- ▶ Use web research or Generative AI tools (e.g., ChatGPT) to complete forward-looking analysis. Organize your work in a Word or slide file.

## Step 1: Explore Future Trends in Financial AI



- ▶ Search or prompt for trends such as:
  - Predictive analytics with real-time data
  - AI-powered scenario simulation

- Personalized financial planning with AI

- ▶ Summarize 3 key trends and how they could shape financial modeling.

## Step 2: Evaluate Regulatory and Ethical Implications



- ▶ Choose one trend and assess possible risks:

- Data privacy and transparency

- Algorithmic bias

- Model interpretability and auditability



- ▶ Write a short paragraph on how regulations may evolve in response.

### Step 3: Map AI Integration in an Enterprise Context



- ▶ Choose a company type (e.g., investment firm, bank, e-commerce company).
- ▶ Outline 3 use cases for applying AI in financial modeling within that company.
- ▶ Highlight benefits and any practical constraints like data access or infrastructure.

## Step 4: Draft a Responsible AI Strategy



- ▶ List 3–5 principles that should guide ethical AI use in finance.
- ▶ Examples: Transparency, auditability, fairness, explainability, risk controls.
- ▶ Suggest one way to operationalize each principle in day-to-day modeling tasks.

## Step 5: Reflect on Strategic Readiness



▶ Write 6–8 sentences on:

- How ready are today's financial teams to adopt AI responsibly?
- What training, tools, or safeguards are still missing?
- What actions would you take to future-proof your own work in this area?