**Literature Survey**

Recent research underscores the transformative potential of generative AI and large language models (LLMs) for financial analysis. Key studies include:

1. **Smith et al. (2023) — "Generative AI in Finance: Opportunities and Challenges"**
   * Explores AI automation of report generation and data interpretation.
   * Highlights LLMs’ strength in processing unstructured narrative data for summary tasks.
2. **Johnson & Lee (2024) — "LLMs for Financial Analysis: A Comparative Study"**
   * Benchmarks models like GPT-4 versus Gemini, demonstrating Gemini’s accuracy in financial summarization.
   * Emphasizes the critical role of prompt engineering—informing our use of tailored templates.
3. **Garcia et al. (2022) — "Automated Financial Reporting: Reducing Human Error and Bias"**
   * Shows how AI-driven workflows improve consistency and reduce manual errors in financial statements.
4. **Patel & Kumar (2023) — "AI in Financial Decision-Making: Enhancing Stakeholder Understanding"**
   * Investigates techniques for translating technical financial metrics into stakeholder-friendly insights, directly relevant to our summary outputs.
5. **Thompson (2021) — "Challenges in Financial Data Analysis: A Review"**
   * Identifies pain points—data complexity and time pressure—which our tool mitigates through automation and template-based summaries.
6. **Lee & Kim (2024) — "AI-Driven Financial Data Visualization: Enhancing User Interpretation"**
   * Demonstrates how dynamic charts and visuals can bridge comprehension gaps, inspiring our line chart features.

*Collectively, these works validate our approach of combining LLM-driven summarization with interactive visualizations to deliver rapid, accurate, and accessible financial insights.*