

Chapter 2: Literature Review

Central Banking and Sustainable Finance

- **Evolution and Trends:**
 - History of sustainable finance in central banking.
 - Recent shifts towards environmental, social, and governance (ESG) criteria.

Accelerated Computing

- **Definition and Overview:**
 - Explanation of accelerated computing and its relevance.
 - Key technologies: GPUs, TPUs, and their applications in finance.
- **Applications in Finance:**
 - Risk assessment and real-time data processing.
 - Examples of banks using accelerated computing for decision-making.

Geospatial Intelligence

- **Definition and Importance:**
 - Overview of geospatial intelligence and its capabilities.
 - Role in understanding economic patterns and environmental impacts.
- **Use Cases:**
 - Examples of geospatial analysis in monitoring climate risks and urban development.
 - Impact on economic forecasting and resource allocation.

Integration of Technologies

- **Case Studies:**
 - Examples of successful integration in financial institutions.
 - Challenges and lessons learned.
- **Theoretical Frameworks:**
 - Models explaining the synergy between computing power and geospatial data.

Chapter 3: Methodology

1. Research Design

- **Approach:**
 - Justification for choosing a qualitative, quantitative, or mixed-methods approach.
 - Explanation of the research design and how it aligns with the research objectives.
- **Framework:**
 - Overview of the theoretical framework guiding the research.

2. Data Collection

- **Sources of Data:**
 - Description of primary and secondary data sources.
 - Types of data to be collected (e.g., financial data, geospatial data, policy documents).

3. Data Analysis

- **Techniques:**
 - Description of data analysis techniques (e.g., statistical analysis, spatial analysis, machine learning algorithms).
- **Software:**
 - Tools and software used for data analysis (e.g., R, Python, GIS software).
- **Validation:**
 - Methods for validating data accuracy and reliability.

4. Limitations

- **Potential Challenges:**
 - Identification of potential challenges and limitations in the research.
- **Mitigation Strategies:**
 - Strategies to address and mitigate these limitations.