**Problem Statement:**

Censorship of books has historically been influenced by social, political, and ideological factors. However, understanding whether certain **genres** or **authors** are disproportionately targeted for banning remains an open question. This study aims to investigate censorship patterns by constructing a **network-based model** using book titles, authors, descriptions, and genre information.

By analyzing the relationships between banned books, we seek to answer:

* Are certain genres more likely to be censored than others?
* Do specific authors face a higher likelihood of book bans?
* Are there thematic connections among banned books that indicate hidden censorship patterns?

**Research Questions:**

1. **Genre Vulnerability:** Are some literary genres more frequently banned than others?
2. **Author Targeting:** Are certain authors disproportionately affected by censorship?
3. **Network Clustering:** Do banned books form thematic or genre-based communities?
4. **Influence of Themes:** Can we detect recurring themes in banned books that might correlate with censorship trends?

**Methodology & Approach:**

1. **Network Construction:**
   * **Book-Genre Bipartite Network:**
     + Nodes = Books & Genres
     + Edges = A book belonging to a genre
     + **Analysis:** Which genres have the most banned books?
   * **Author-Book Network:**
     + Nodes = Authors & Books
     + Edges = An author’s connection to their book
     + **Analysis:** Which authors have the most banned books?
   * **Book Similarity Network (Optional):**
     + Nodes = Books
     + Edges = Similarity between book descriptions (using NLP techniques like TF-IDF or word embeddings)
     + **Analysis:** Are thematically similar books more likely to be banned?
2. **Graph Analysis Techniques:**
   * **Centrality Measures:** Identify the most frequently banned authors and genres.
   * **Community Detection (Louvain, Girvan-Newman):** Find clusters of related books or genres that experience censorship together.
   * **Text Analysis on Book Descriptions:** Extract common themes among banned books.
3. **Visualization & Interpretation:**
   * Network graphs showing genre interconnections.
   * Heatmaps of censorship frequency across genres and authors.
   * Word clouds of common banned book themes.