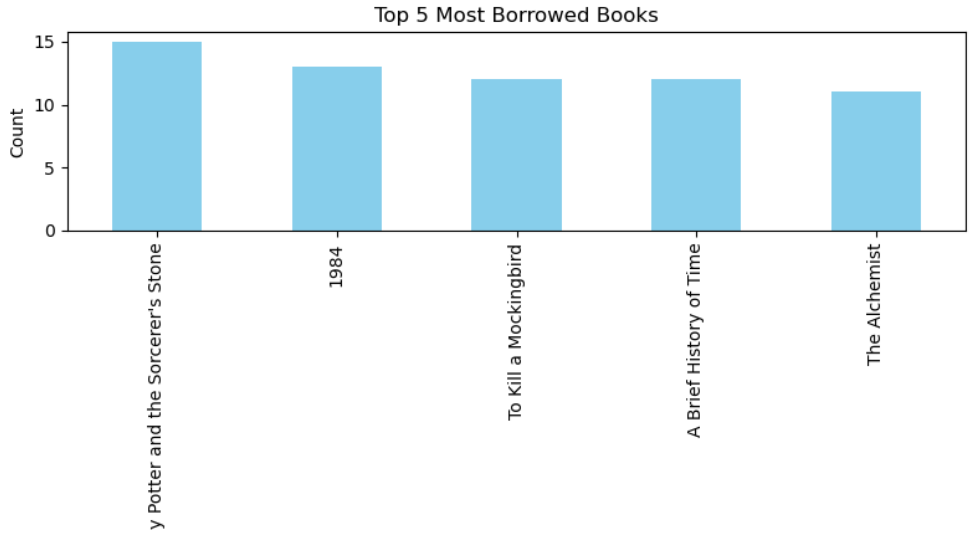
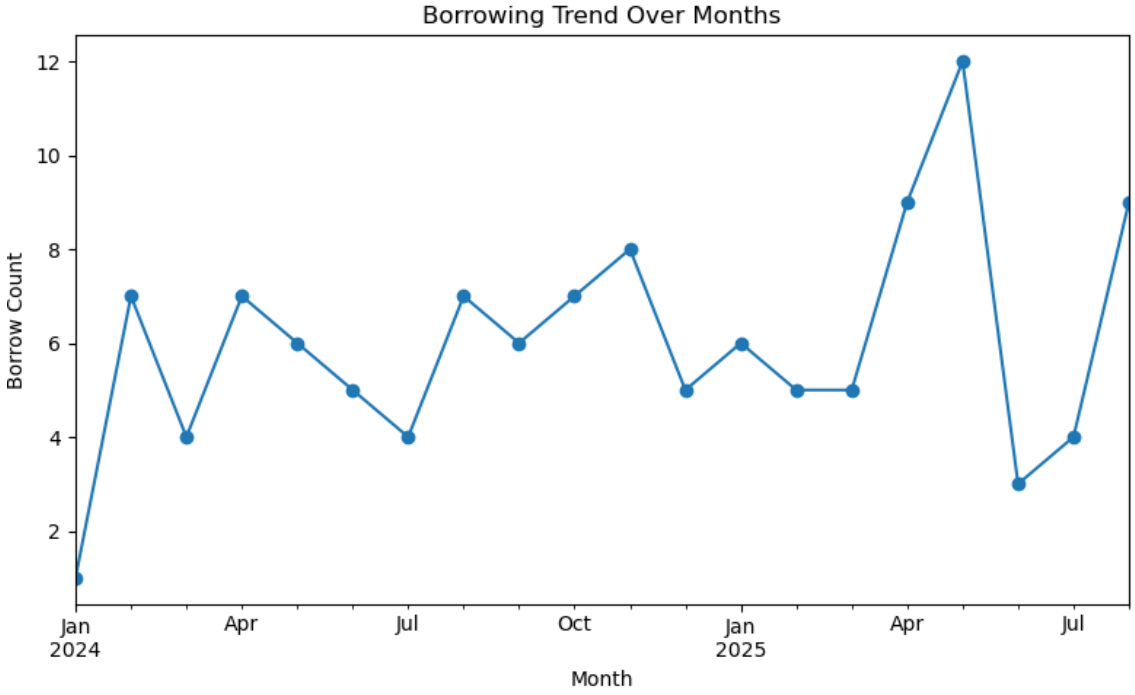
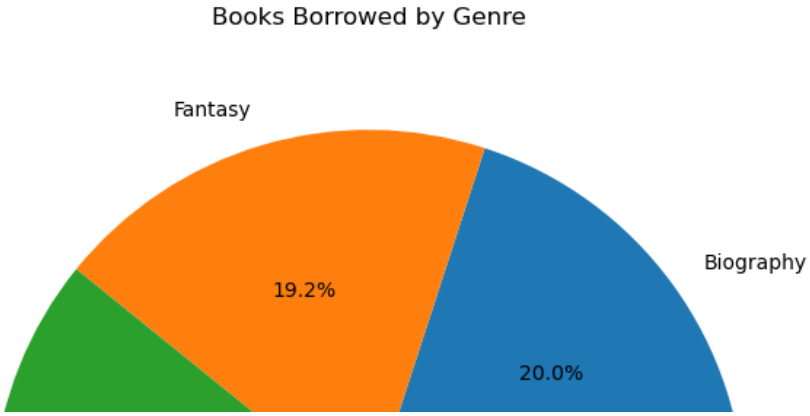
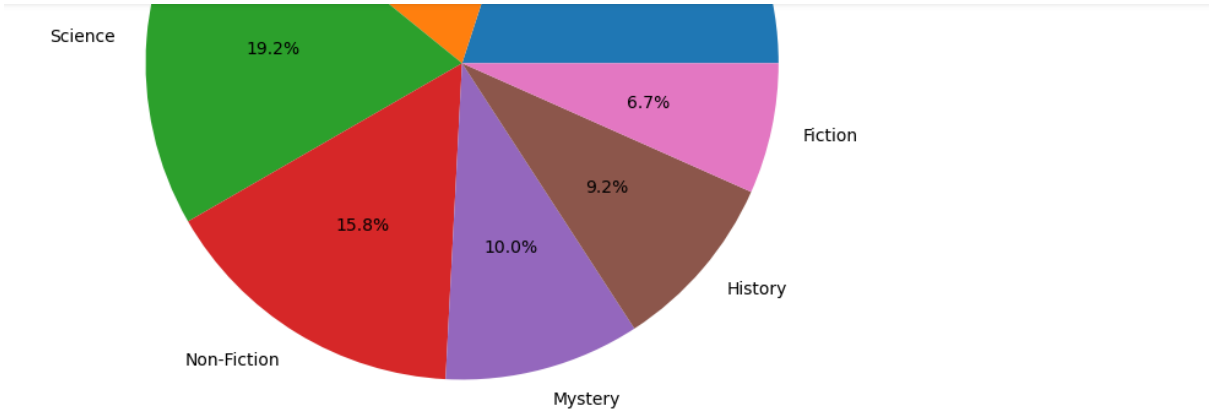
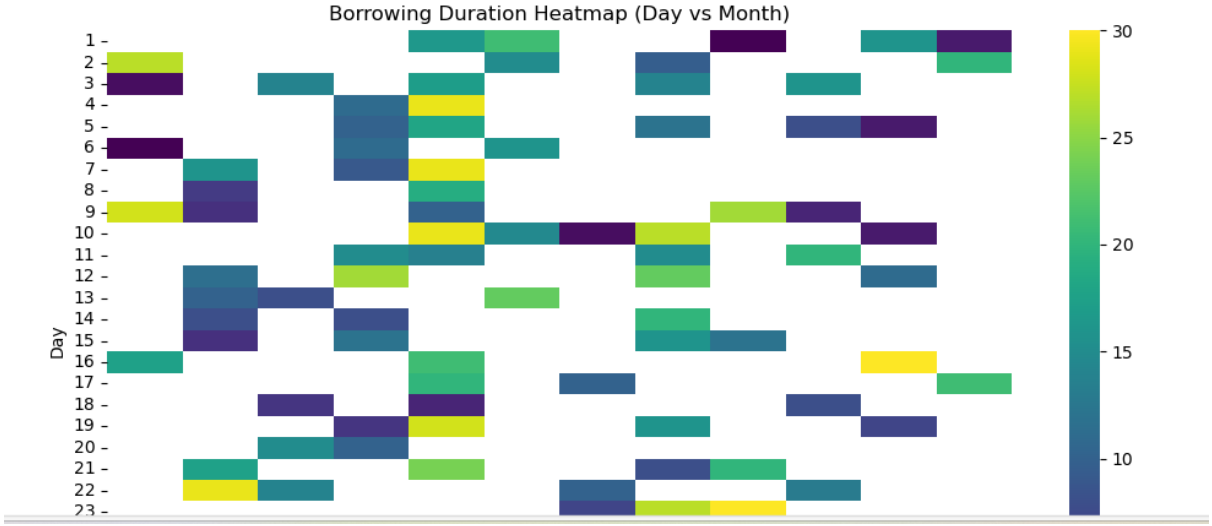
```
=== E-Library Dashboard ===
Enter CSV file path:  C:\Users\kajal\Downloads\library_transactions.csv
Dataset loaded successfully!

==== STATISTICS ====
Top 5 Most Borrowed Books:
Book Title
Harry Potter and the Sorcerer's Stone    15
1984                                     13
To Kill a Mockingbird                    12
A Brief History of Time                  12
The Alchemist                            11
Name: count, dtype: int64

Average Borrowing Duration: 14.15
Busiest Borrowing Day: 2024-04-15

Filtered Results:
Empty DataFrame
Columns: [Transaction ID, Date, User ID, Book Title, Genre, Borrowing Duration (Days)]
Index: []
```

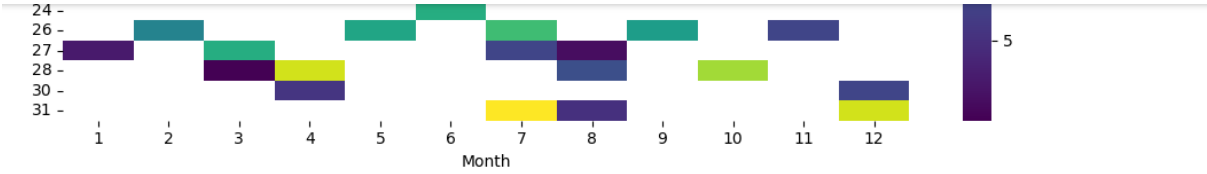


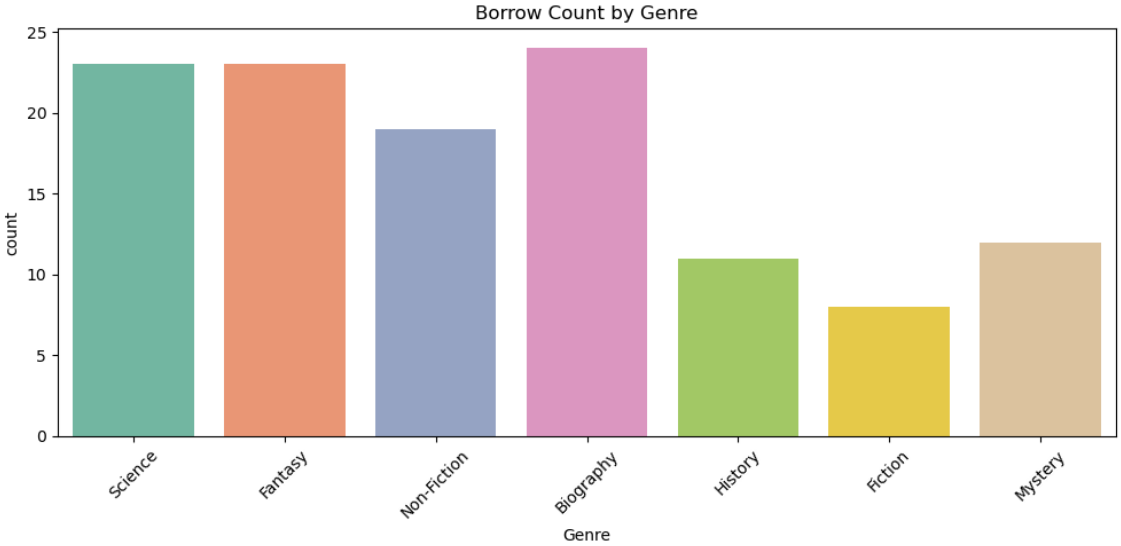
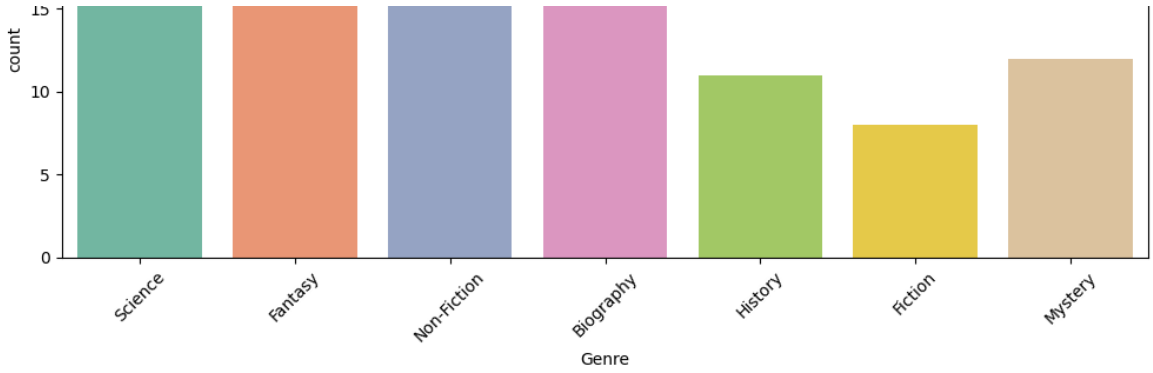
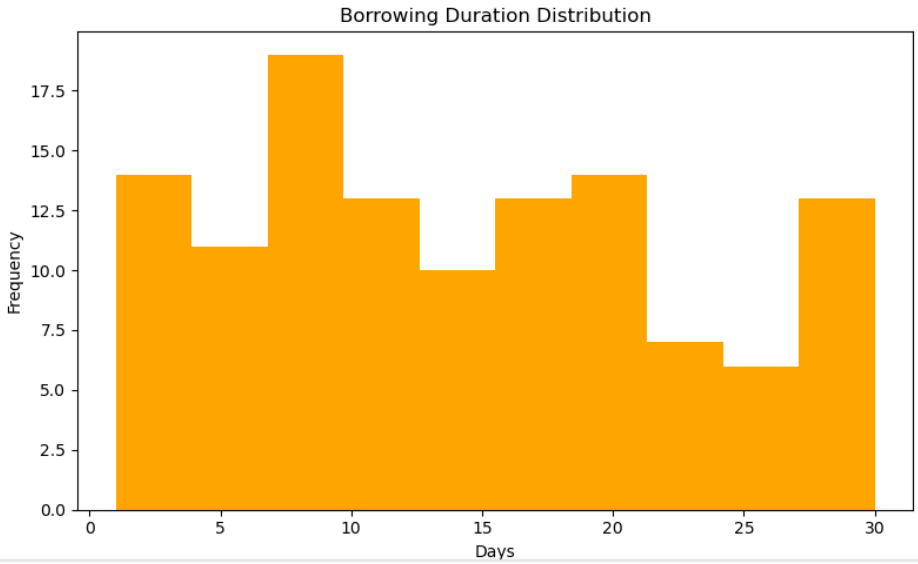

Borrowing Trend Over Months
Borrow Count
12
10
8
6
4
2
Jan
2024
Apr
Jul
Oct
Jan
2025
Apr
Jul
Month


Books Borrowed by Genre
Fantasy
19.2%
Biography
20.0%


Science
19.2%
6.7%
Fiction
9.2%
15.8%
10.0%
History
Non-Fiction
Mystery


Borrowing Duration Heatmap (Day vs Month)
Day
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
30
25
20
15
10




```
C:\Users\kajal\AppData\Local\Temp\ipykernel_3368\4288813662.py:105: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue` and set `legend=False` for
e same effect.

  sns.countplot(x="Genre", data=self.df, palette="Set2")
```