So Many Books, So Little Time

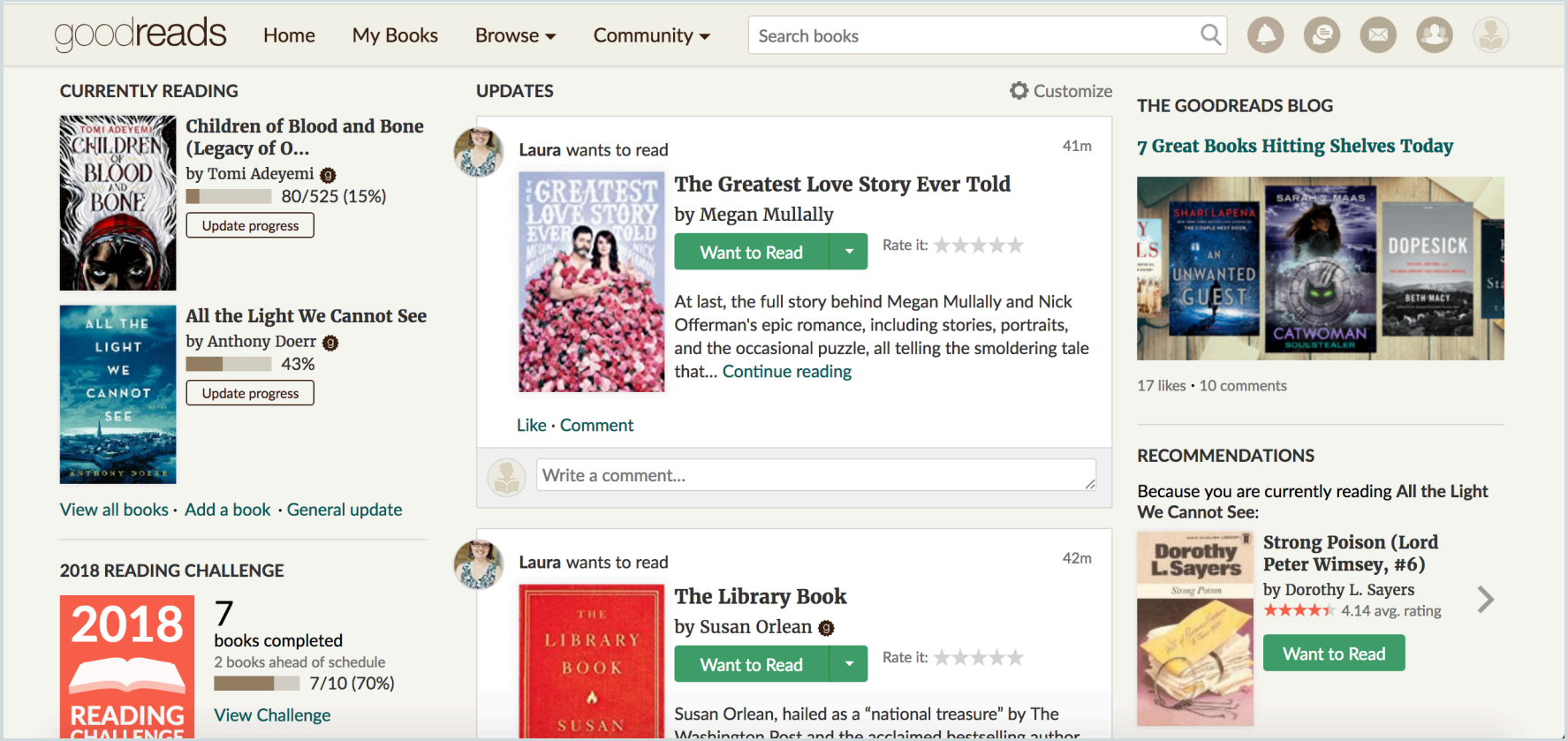
Web Scraping Good Reads

SUNANDA MISHRA

Agenda

- What is GoodReads?
- Why scrape it?
- How to scrape it?
- Preview: What to do with scraped data?
- Future studies with data

So...you like to read



Why Scrape it?

- TONS of great data
- There are more than 10,500 bookclubs on GoodReads!
- Most clubs are made up of 1 person!!
- Bookclub Moderators:
  - Helpful to know how to get your club up and running
- Bookclub Members:
  - Helpful to know which bookclub to choose

What does a bookclub's page look like?

What does a bookclub's page look like?

flag this group (?)

CURRENTLY READING

Red Queen (Red Queen, #1)
by Victoria Aveyard

Start date
August 1, 2018

Finish date
August 31, 2018

view activity »

DISCUSSION BOARD

topics: all | new | unread

▾ New here? Drop a line...

Showing 5 of 0 topics — 2,671 comments total

* Introduce Yourself to the Group - 2018!
By Ilona , *Welcome Committee* · 637 posts (637 new) · 696 views — last updated 5 hours, 56 min ago

* NEW MEMBERS: Start Here
By Kadijah Miche... , *Group Organization* · 3 posts (3 new) · 2032 views — last updated Dec 28, 2017 07:10AM

* 2018 Personal Challenge
By Ilona , *Welcome Committee* · 61 posts (61 new) · 2378 views — last updated Aug 06, 2018 07:30AM

* How do I do things on Goodreads?
By Kara , *TBR Twins* · 299 posts (299 new) · 5401 views — last updated 2 hours, 47 min ago

What does a bookclub's page look like?

2018 Reading Challenge > books > read

Only moderators of this group can add books.

SEARCH FOR BOOKS

Search

GROUP SHELVES

all (81)
read (80)
currently-reading (1)
to-read

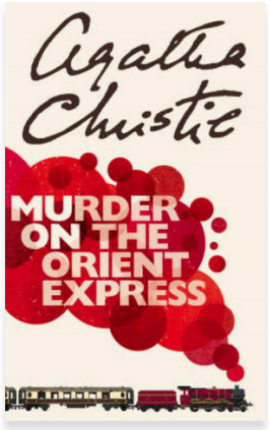
group-reads (80)
upcoming (0)

view: main | covers

(showing 1-30 of 80)

	title	author	my rating	shelves	date started	date finished	added by	date added	
	Little Fires Everywhere	Ng, Celeste *	☆☆☆☆☆	read, group-reads	2018/07/01	2018/07/31	Winter	2018/06/26	view activity »
	The Shape of Water	del Toro, Guillermo	☆☆☆☆☆	read, group-reads	2018/06/01	2018/06/30	Winter	2018/05/18	view activity »
	A Study in Scarlet (Sherlock Holmes, #1)	Doyle, Arthur Conan	☆☆☆☆☆	read, group-reads	2018/06/01	2018/05/30	Winter	2018/05/18	view activity »
	Middlesex	Eugenides, Jeffrey	☆☆☆☆☆	read, group-reads	2018/05/01	2018/05/31	Winter	2018/04/10	view activity »
	Big Little Lies	Moriarty,	☆☆☆☆☆	read,	2018/04/01	2018/04/30	Winter	2018/03/11	view activity »

What does a book's page look like?



Want to Read

Rate this book

Preview

Murder on the Orient Express
(Hercule Poirot #10)

by Agatha Christie

4.16 · Rating details · 256,515 Ratings · 16,502 Reviews

What more can a mystery addict desire than a much-loathed murder victim found aboard the luxurious Orient Express with multiple stab wounds, thirteen likely suspects, an incomparably brilliant detective in Hercule Poirot, and the most ingenious crime ever conceived?

GET A COPY

Kindle Store $7.99 | Amazon | Stores | Libraries

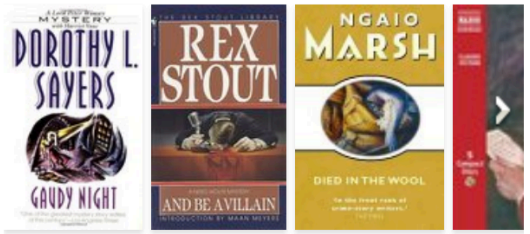
Paperback, Agatha Christie Signature Edition, 274 pages
Published June 4th 2007 by HarperCollins Publishers (first published 1934)

Original Title	Murder on the Orient Express
ISBN	0007119313 (ISBN13: 9780007119318)
Edition Language	English
Series	Hercule Poirot #10
Characters	Samuel Edward Ratchett, Hector MacQueen, Masterman, Colonel Arbuthnot, Harriet Hubbard...more
setting	Constantinople Vinkovci (Croatia) Yugoslavia

Share

Recommend It | Stats | Recent Status Updates

READERS ALSO ENJOYED



GENRES

Mystery	7,951 users
Classics	3,354 users
Fiction	3,026 users
Mystery > Crime	1,624 users

See top shelves...

ABOUT AGATHA CHRISTIE

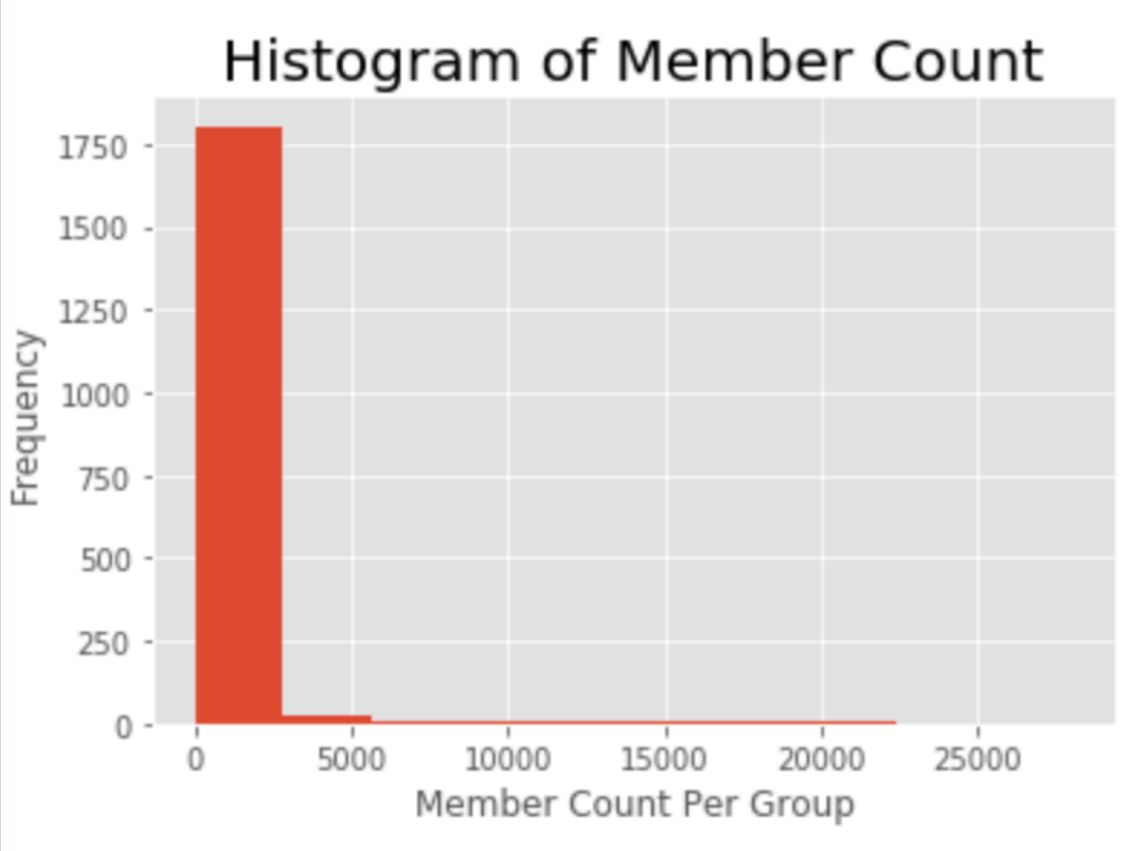
How to scrape

- 3 Main Spiders:
  - Scrape the bookclub's page
    - Group Name, Number of Members, currently reading, location, tags, group type
    - 1800 bookclubs
  - Scrape the bookshelf
    - Group name, book titles
  - Scrape the books
    - Number of ratings, what the rating is, number of pages in the book, year published

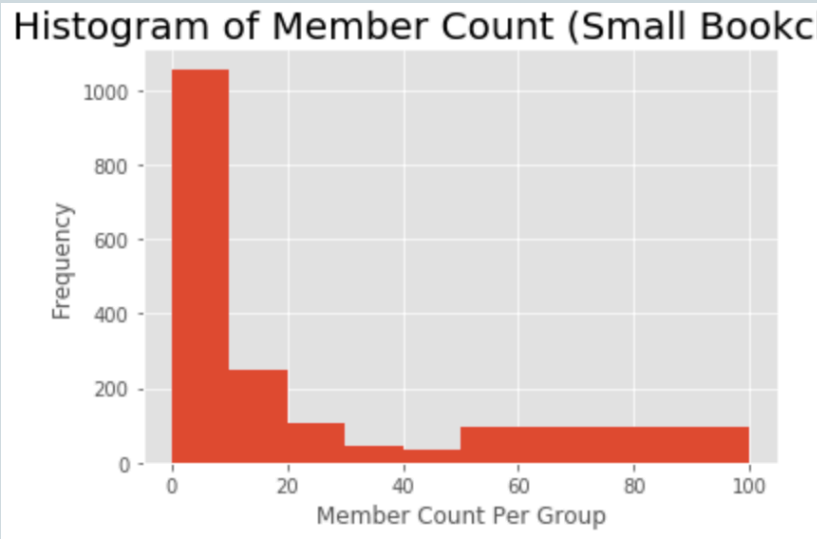
What to do with scraped data?

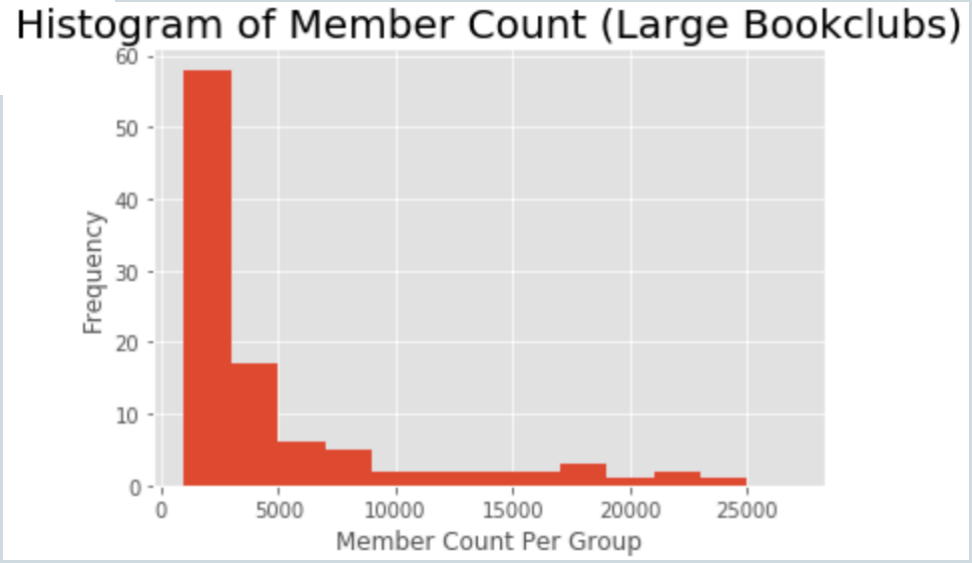
- How big are most book clubs?
- Do larger and smaller book clubs behave differently?
  - Compare average book rating
  - Compare popularity of books
  - Compare book length
  - Compare how recently published the book was

Member Count

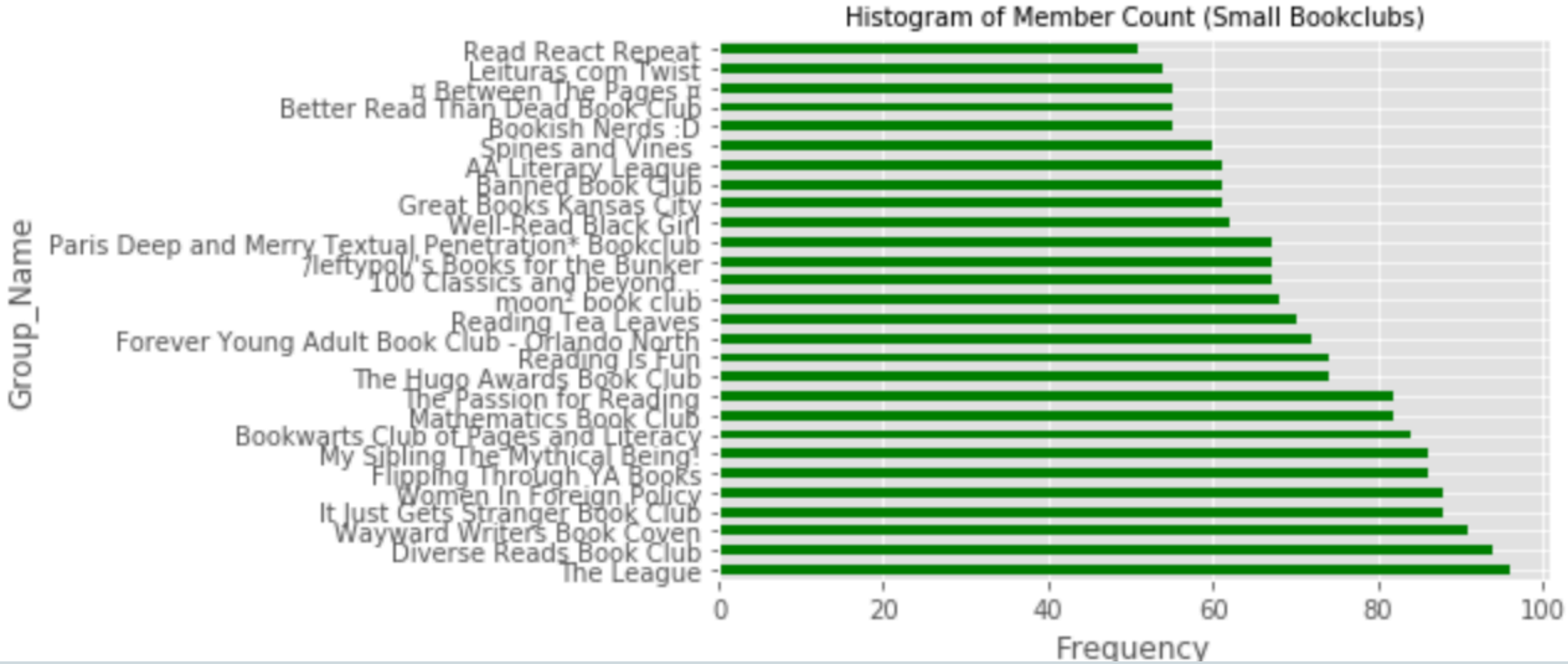


Member Count

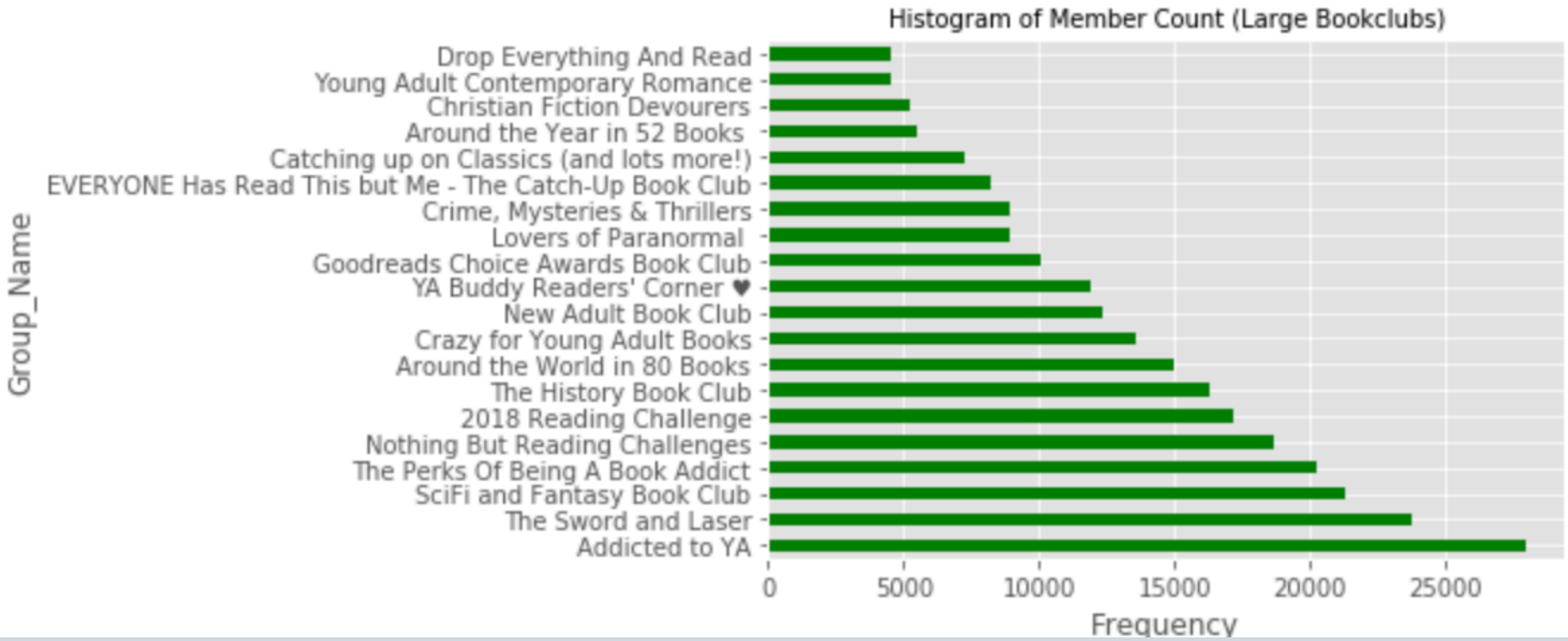




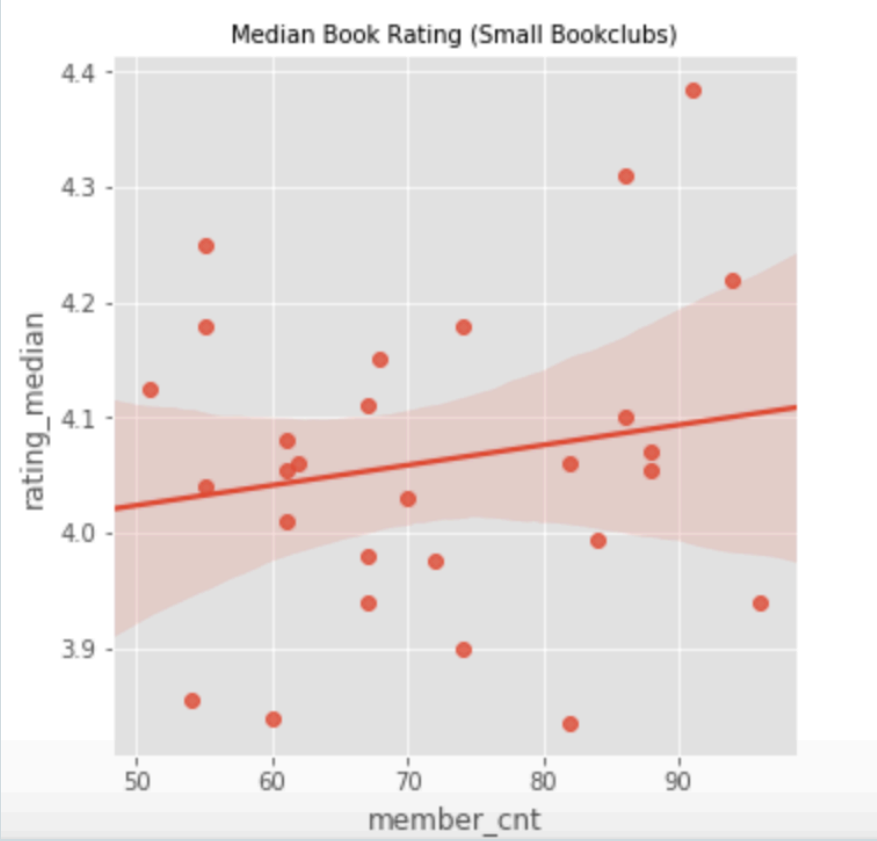
Examining Book Club Behavior

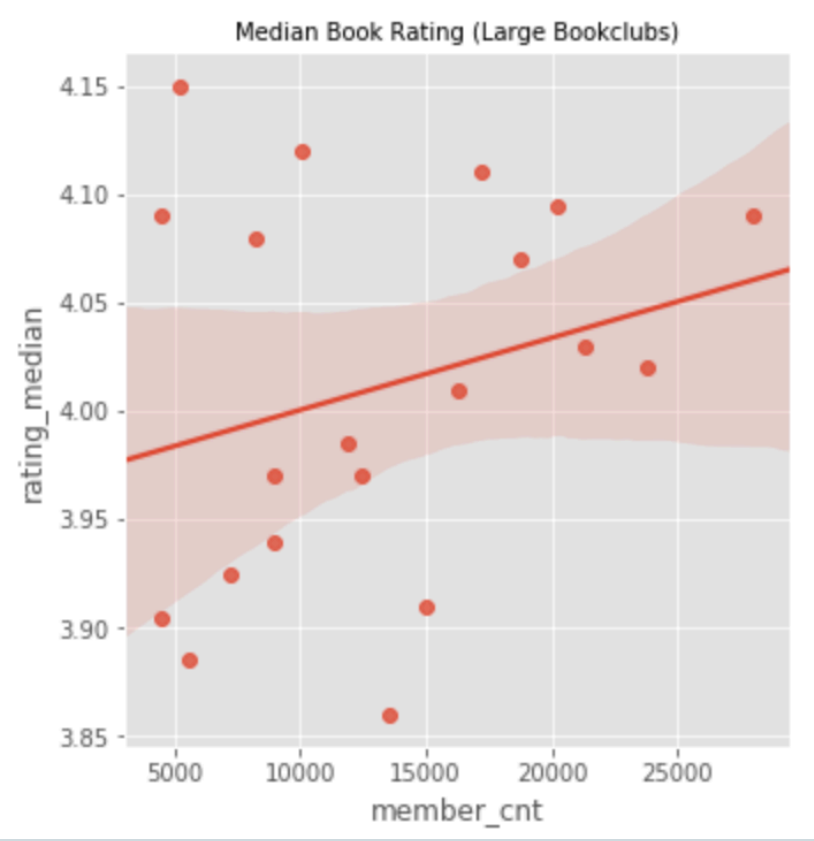


Examining Book Club Behavior

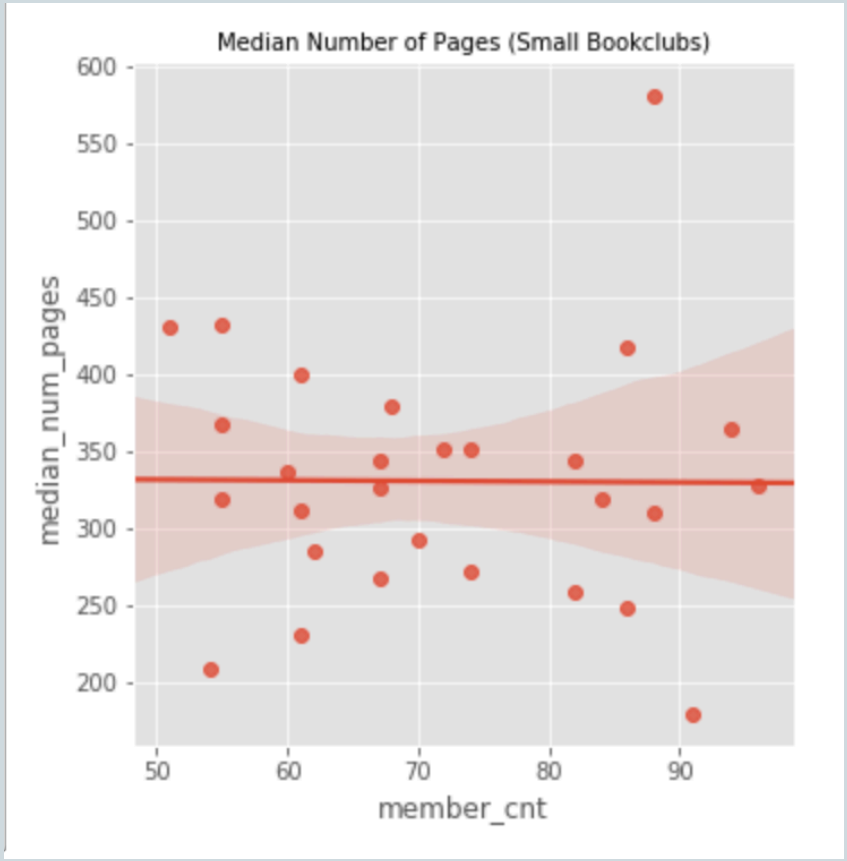


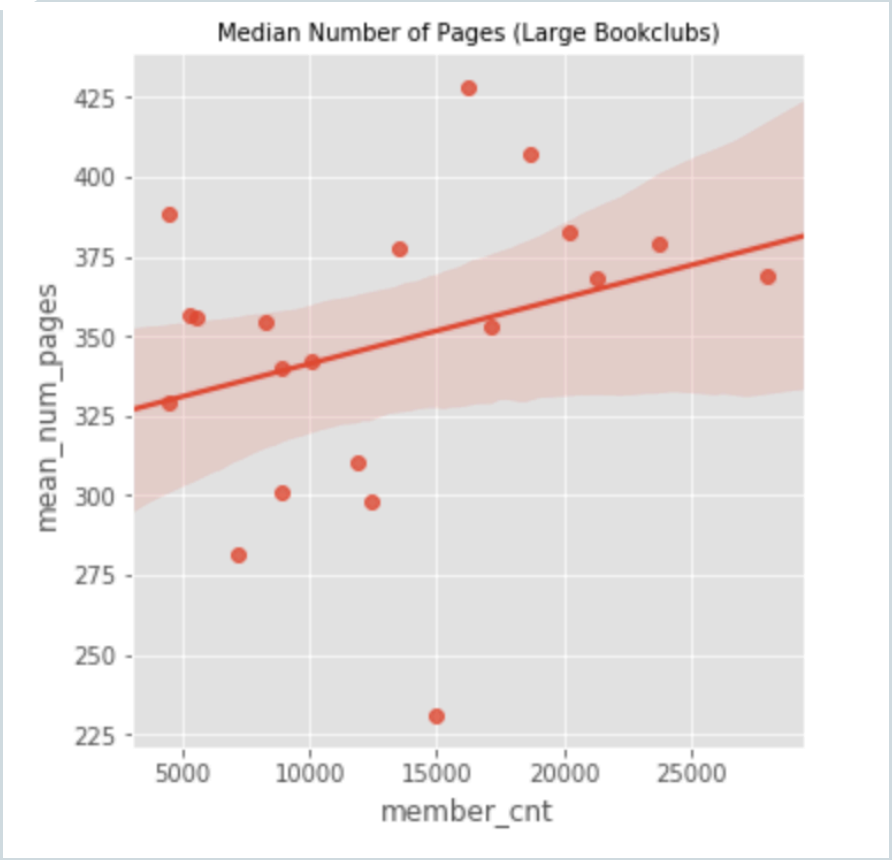
Book Club Behavior: Book Rating



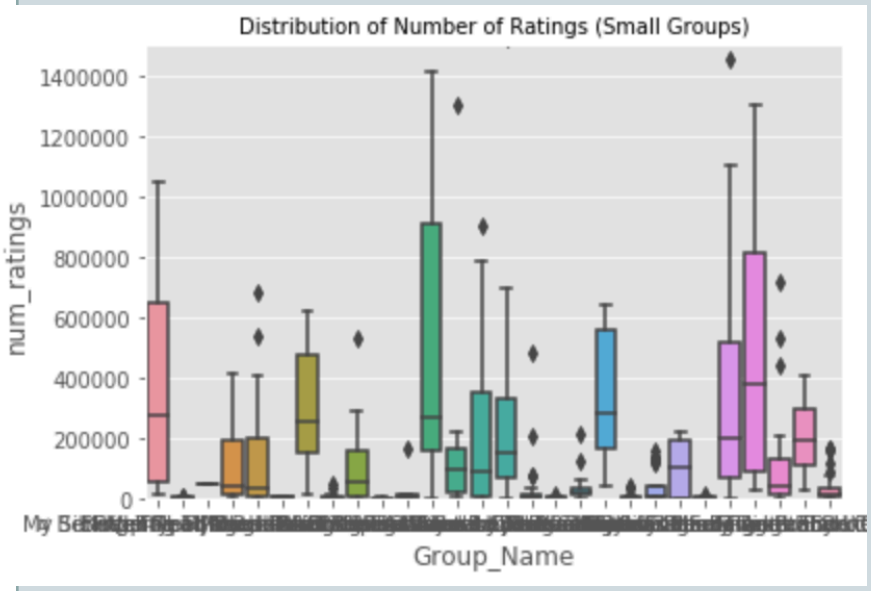


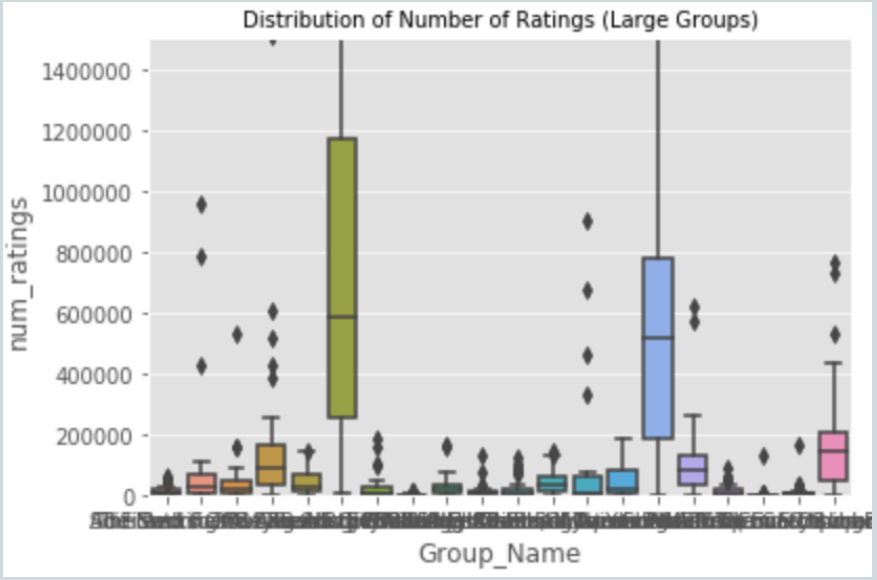
Book Club Behavior: Number of Book's Pages





Book Club Behavior: Number of Ratings





Future Study Ideas

- Do certain genres draw more members into their book club?
- What makes a book club more likely to have a lot of discussions?
- What books are repeatedly selected for book club readings? What are characteristics of these books?