

Data

Aggregated records from Seattle Public Library:

Content Features	Popularity Features
Title	Checkouts
Author	Checkout Month
Subjects	Checkout Year
Publisher	
Year Published	
Medium	

Popularity By Author

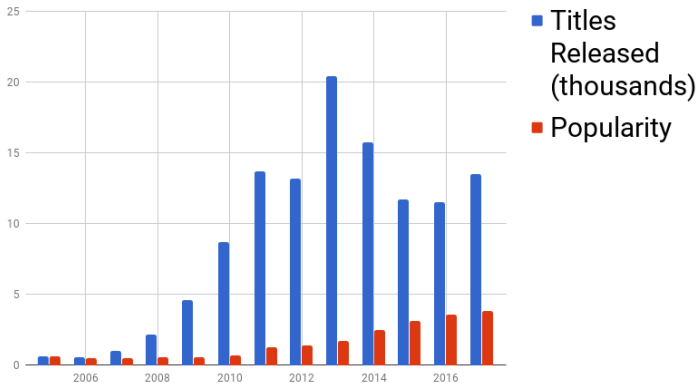
Checkouts Per Title	
125.33	Paula Hawkins
116.67	Emma Cline
107.33	Harper Lee
⋮	⋮
17.66	John Grisham
⋮	⋮
4.86	George R. R. Martin
⋮	⋮
1.20	Lowis Lowry
⋮	⋮
0.167	[Numerous authors]

Popularity By Genre (Subject)

Checkouts Per Title	
Fiction	
5.4	Romance, Erotic Literature
5.2	Suspense, Thriller
⋮	⋮
0.8	Classic Literature
0.8	Juvenile Fiction (uncategorized)
Non-Fiction	
3.9	Business, Economics
3.8	Humor
⋮	⋮
0.8	Juvenile Non-Fiction, History
0.7	Juvenile Non-fiction, Science

Popularity By Year

Ebook Releases and Popularity, By Year



Project Plan

1. Exploratory Data Analysis
2. Turn features into predictors
3. Combine predictors in ensemble model (random forest?)
4. Expand to other media (books, audiobooks, etc.)