

Data Engineering and Analysis of Seattle's Public Library Checkouts

Louisa Reilly

Background Seattle



International



Proud of their City



Environmentalism



Liberal



Asian Influence



Politically Active

About the Dataset

- Publicly Available through the city of Seattle
- All Library Item checkouts
 - Books, movies, music, audiobooks, eBooks, etc.
- Circa 2005
- Includes fields like:
 - Title
 - Creator
 - Publisher
 - Publication Year
 - Subjects

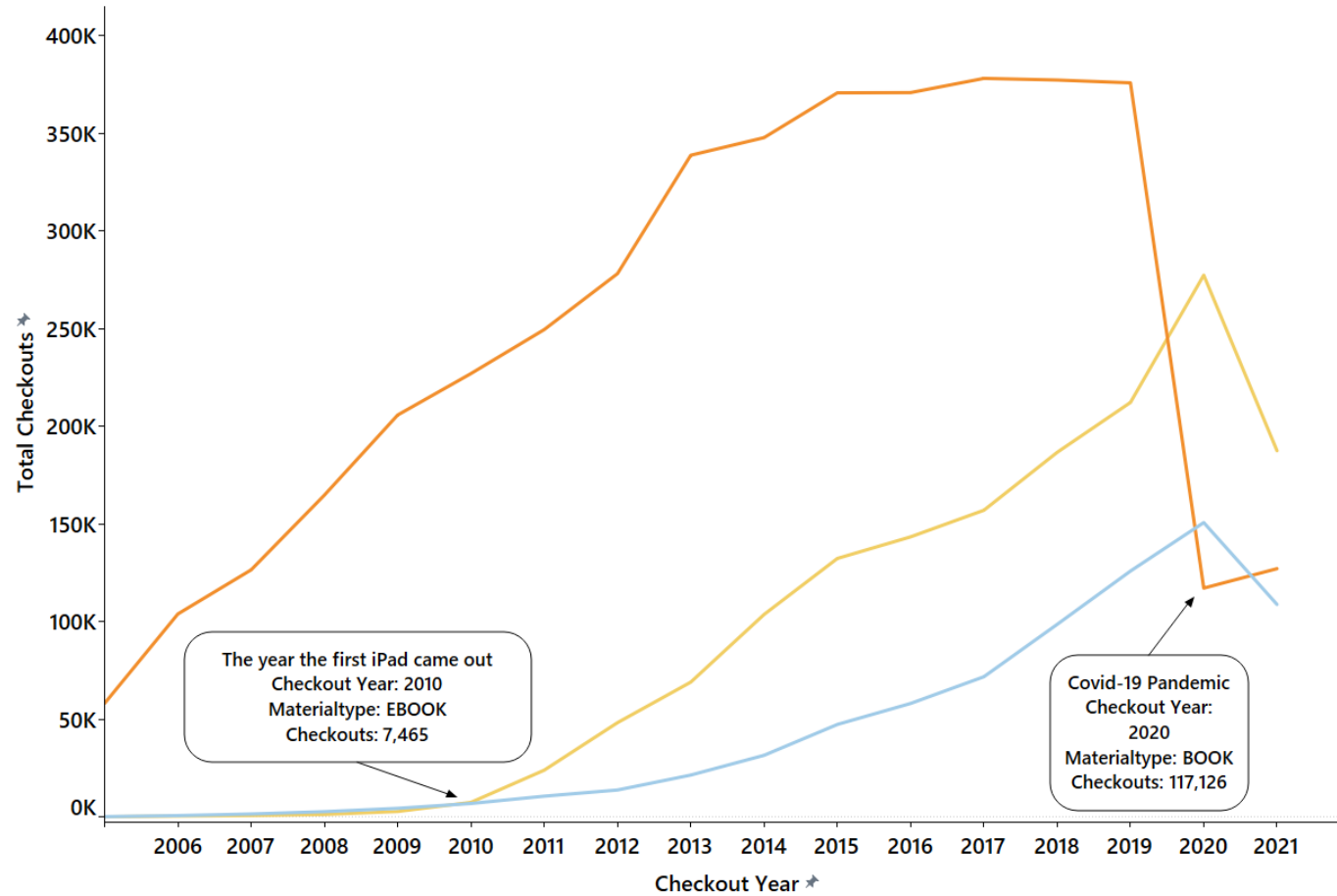


38.5
million

Data Pipeline

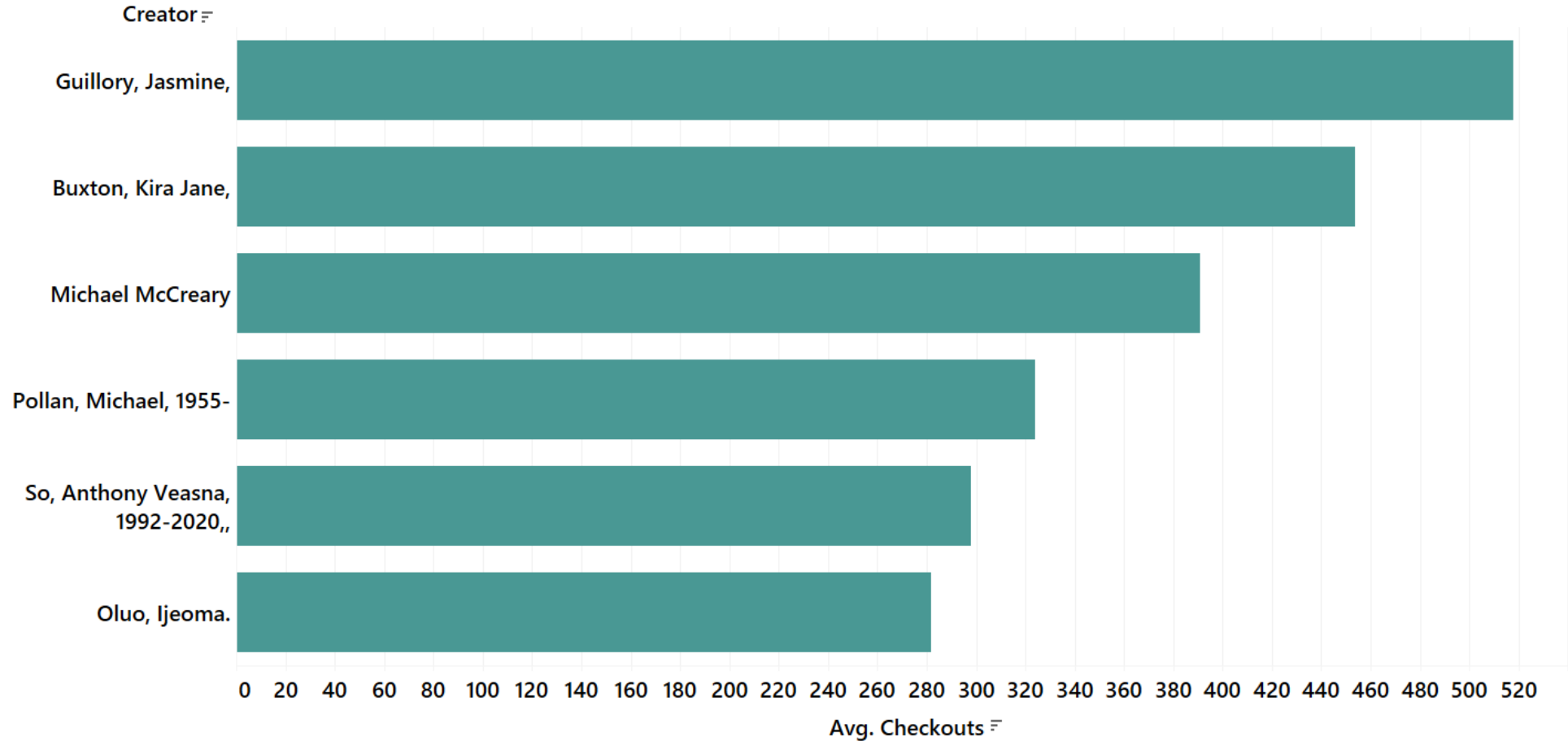


Item Checkouts per Year by Type



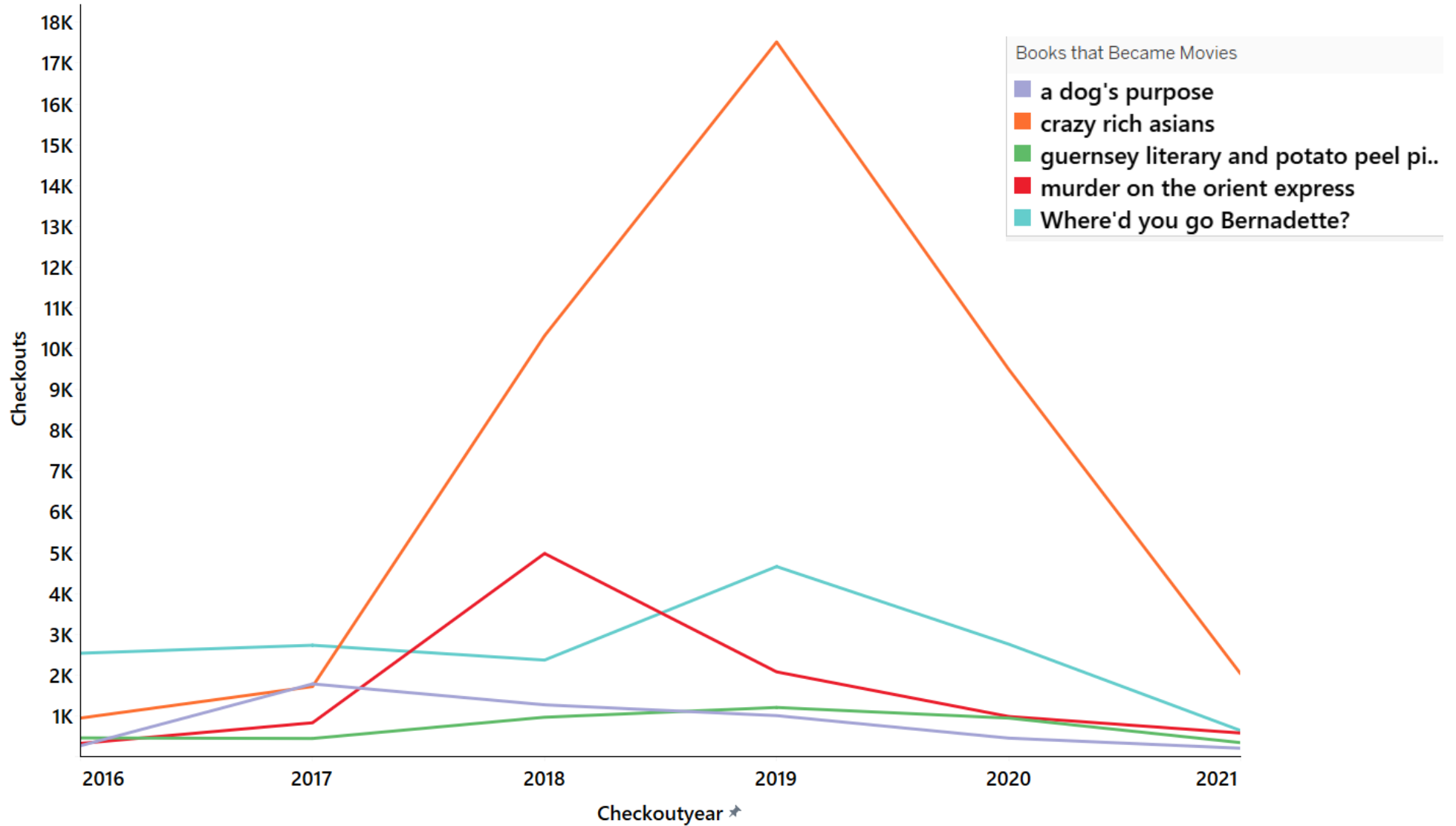
The Digital Age and the Pandemic

Top 5 Creator Average Checkouts



NYT Best Sellers/ Indie
Subjects: Race, Neurodivergence, Environment

Yearly Checkout Rates of Books that became Movies



Conclusions/ Future Work

- Checkouts reflect:
 - Digital Age
 - Pandemic
 - Seattle's Culture
 - Pop Culture Trends
- Add interactivity to dashboard
- Stratified sampling of entire corpus