

# 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

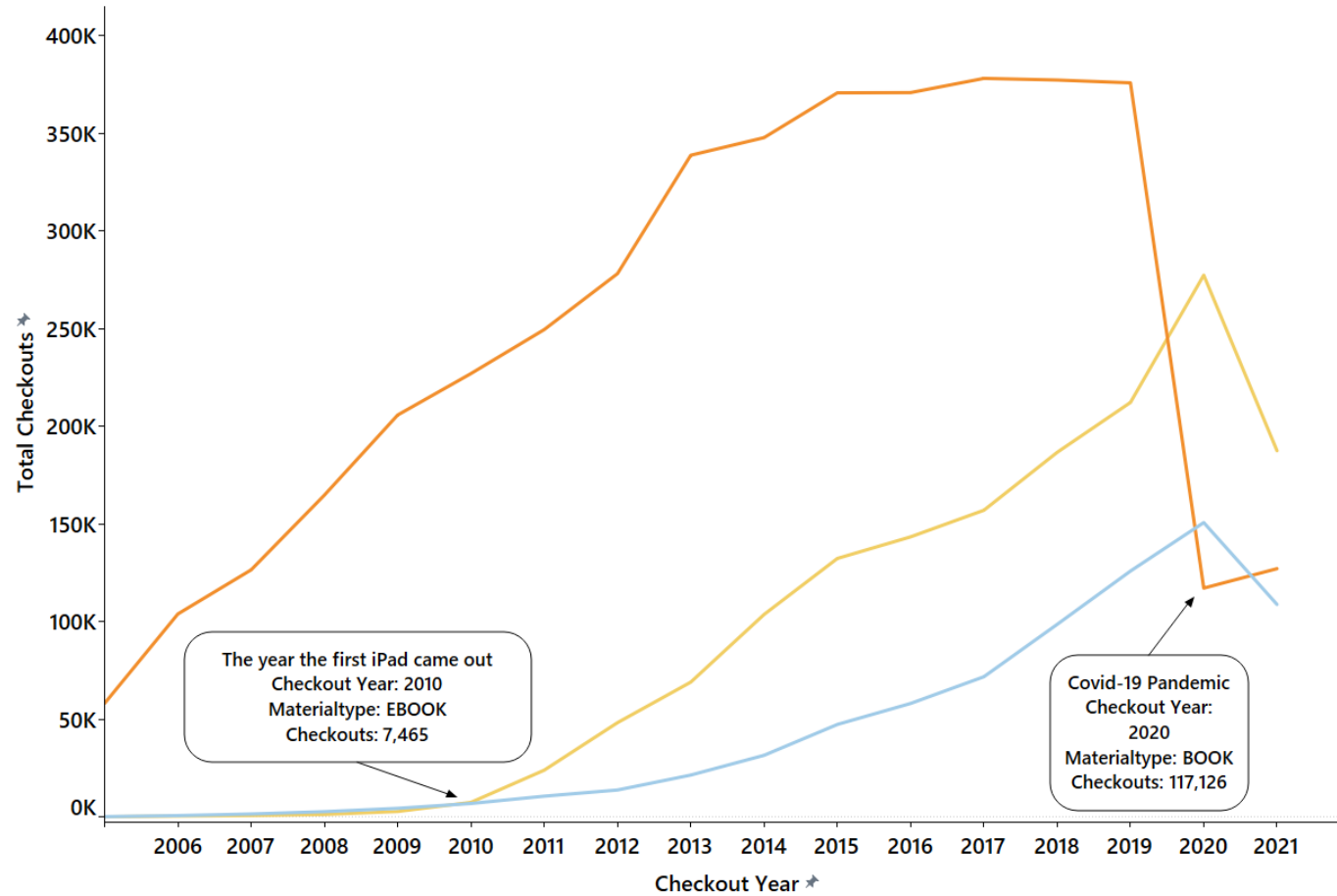


38.5  
million

# Data Pipeline

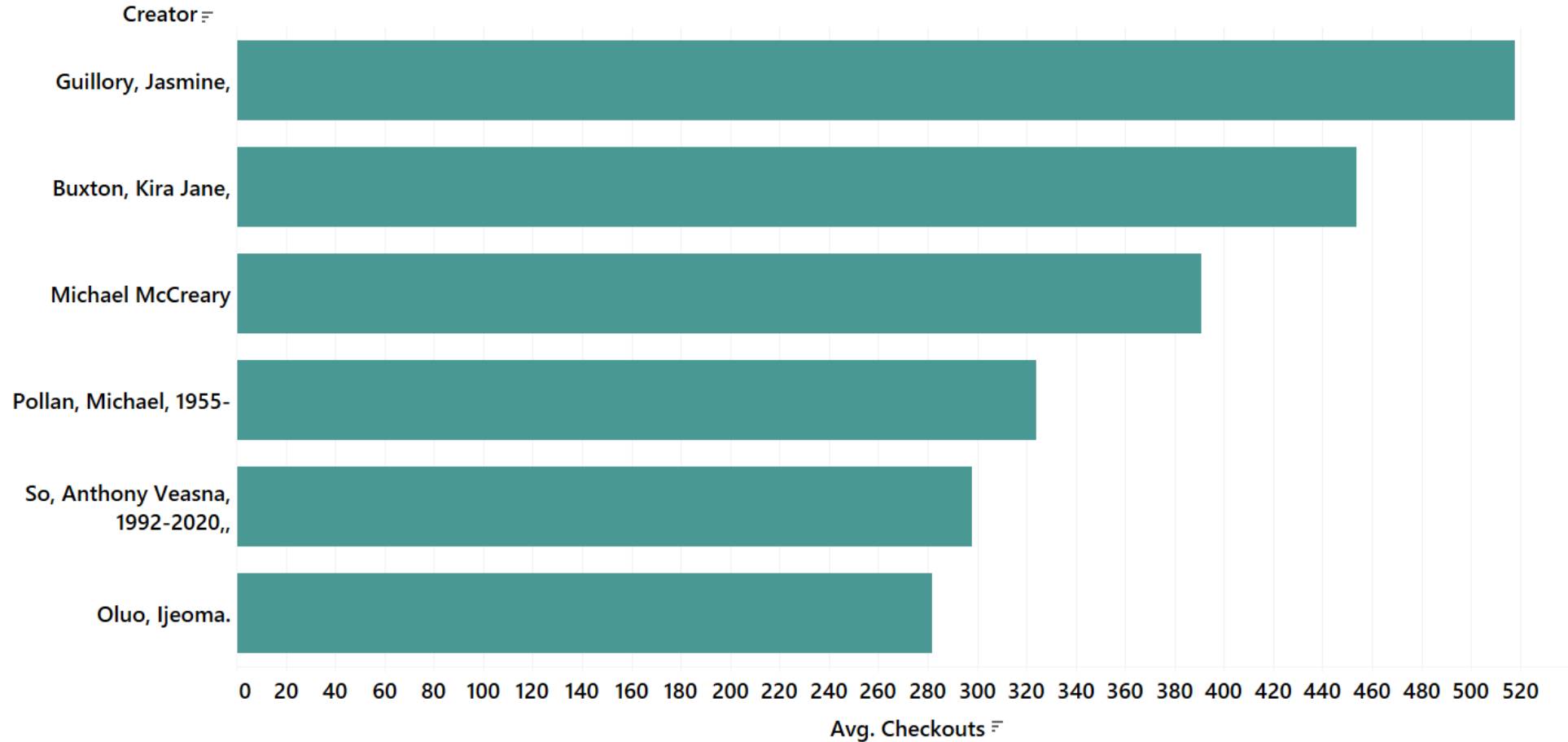


Item Checkouts per Year by Type



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

