

# Seattle Public Library

Thomas Hervey | GEOG 210B



<http://www.brucemaudesign.com/work/seattle-public-library>

# What is the dataset?

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- Seattle Public Library checkouts [2006 - 2015]
- All types of physical media
- 40 million+ records on 100,000s of items
- Attributes on checkout counts, dates, genres, media type

# What is the topic?

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- Over time, are there trends in adoption or checkout count?
- Do we think e-media adoption affects these trends?
- Are there particular 'hyped' genres?

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# Why is this valuable?

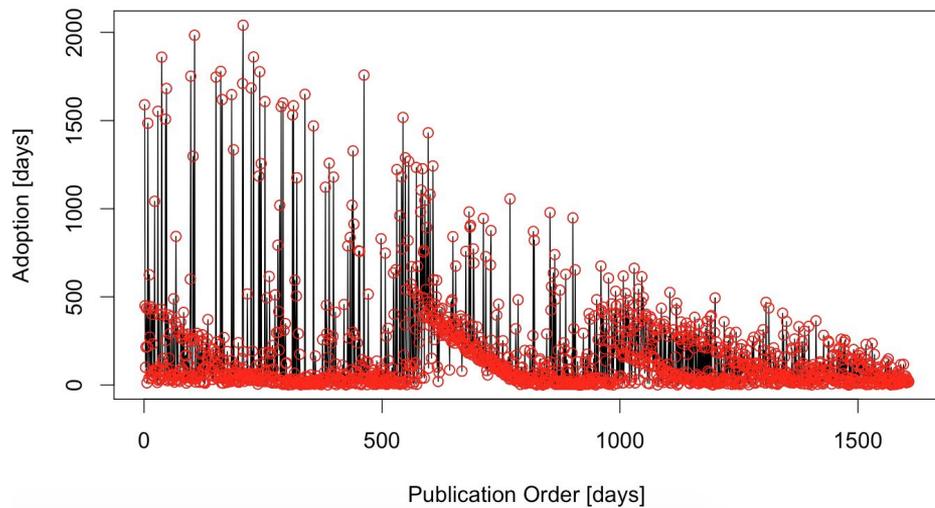
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- Insight into the library's internal structure
- Understanding about habits and consumer changes
- Address issues concerning delayed adoption

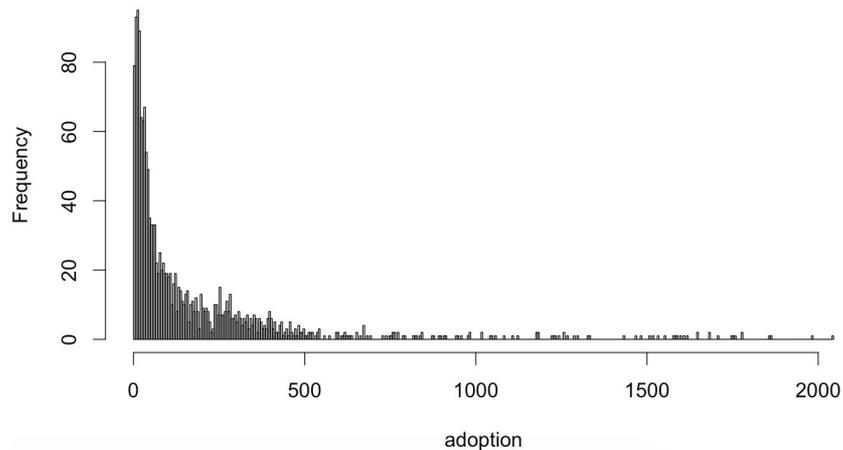
# Exploration

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### Adoption over Publication Order

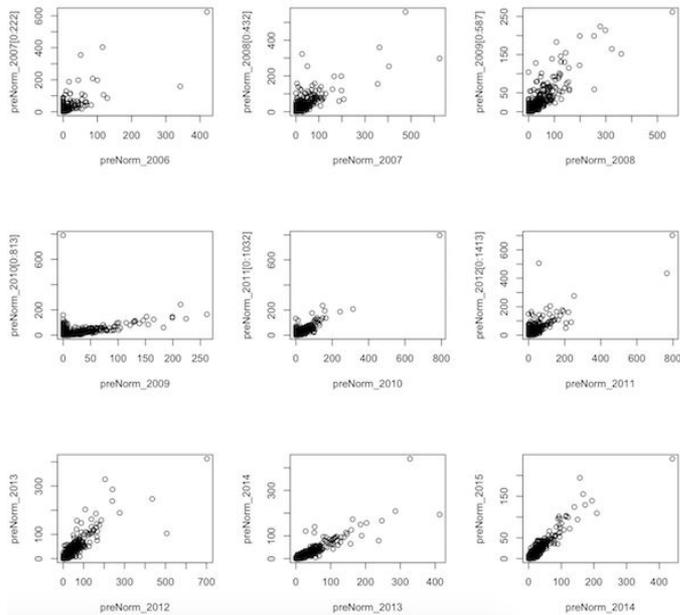
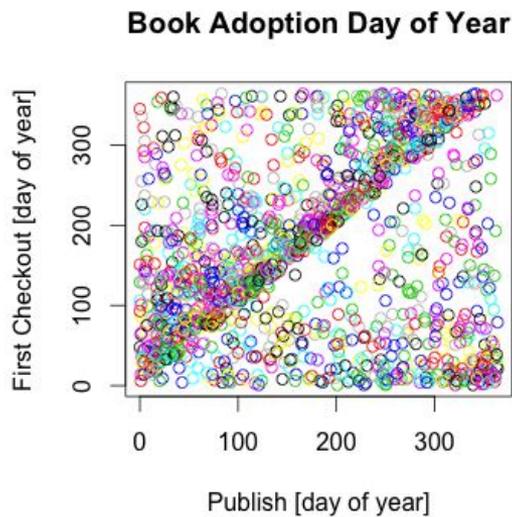


### Histogram of adoption



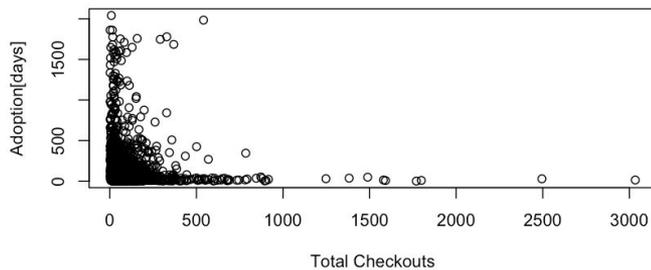
# Continued Exploration

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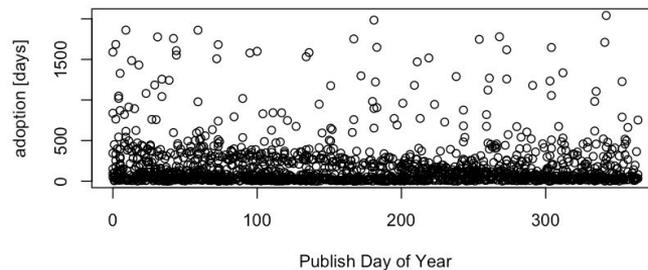
a_c_2006_cor	-0.3675
a_c_2007_cor	-0.4639
a_c_2008_cor	-0.5343
a_c_2009_cor	-0.1801
a_c_2010_cor	-0.5863
a_c_2011_cor	-0.3729
a_c_2012_cor	-0.0615

**Total Checkouts on Dewey Number**



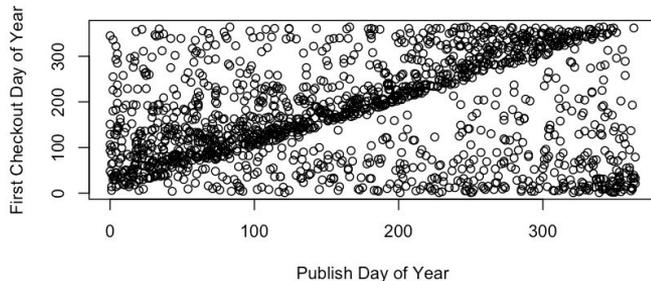
-0.099

**Publish Day of Year on Adoption**



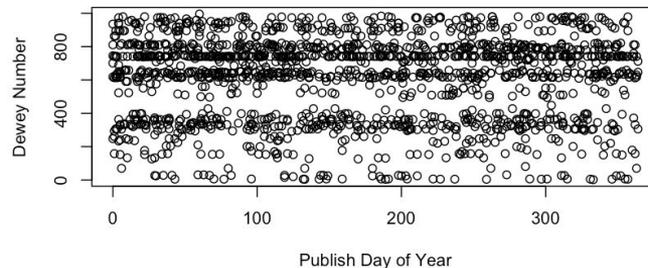
-0.073

**Publish Day of Year on First Checkout Day**



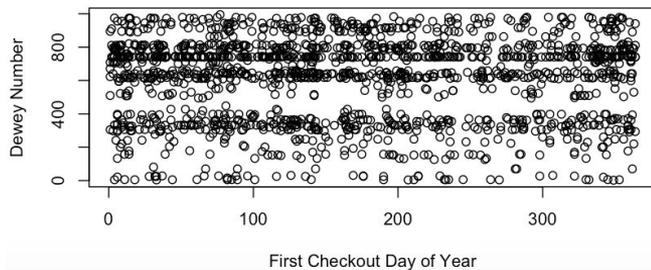
0.254

**Publish Day of Year on Dewey Number**



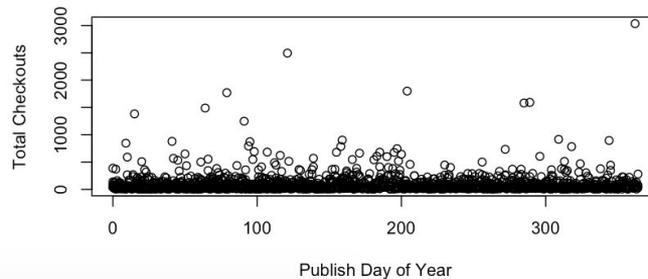
-0.018

**First Checkout Day of Year on Dewey Number**



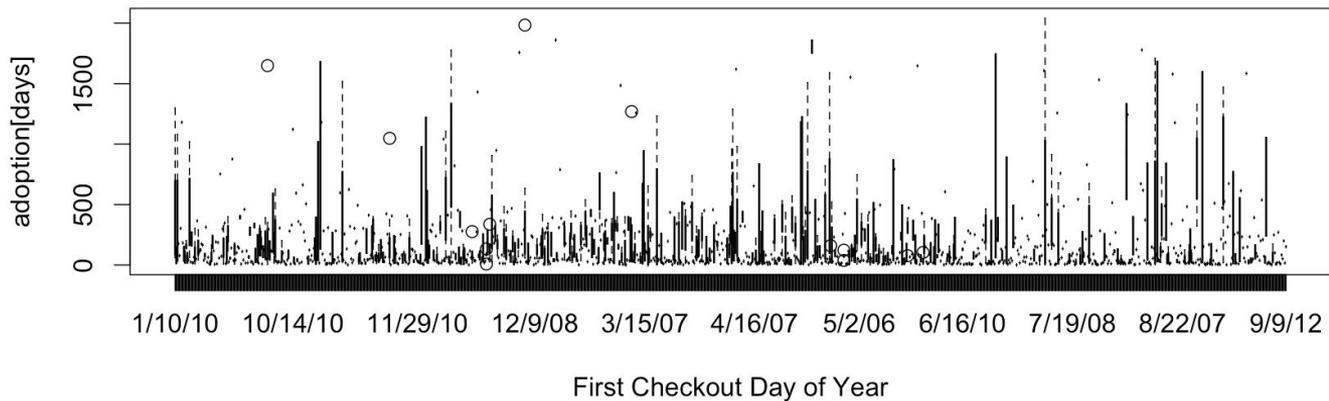
0.002

**Publish Day of Year on Total Checkouts**



0.008

### First Checkout against Adoption



### Publish Day against Adoption

