

# 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?

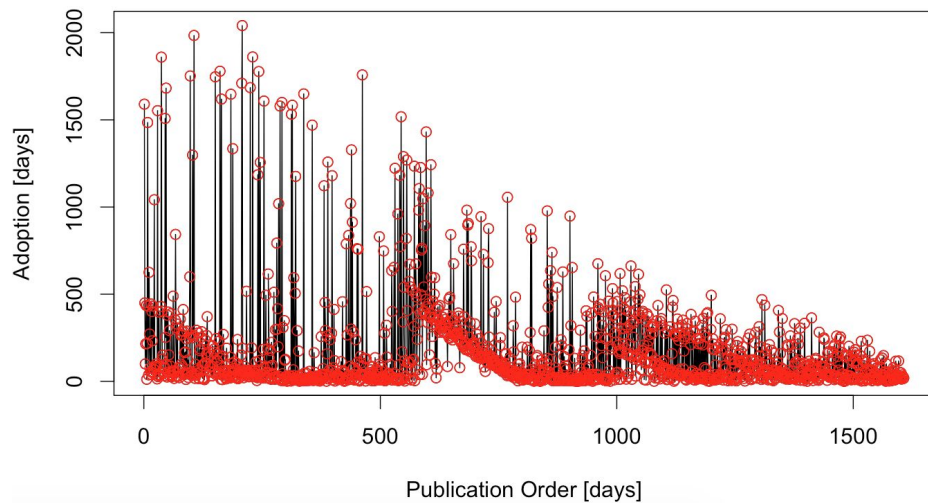
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- Insight into the library's internal structure
- Understanding about habits and consumer changes
- Address issues concerning delayed adoption

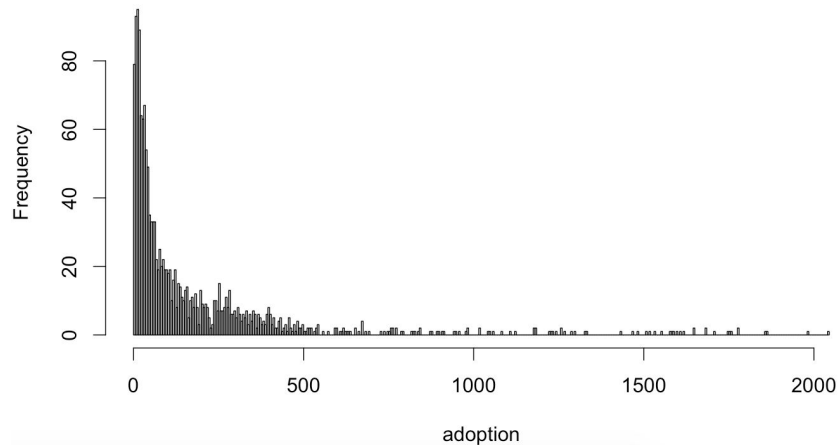
# Exploration

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Adoption over Publication Order

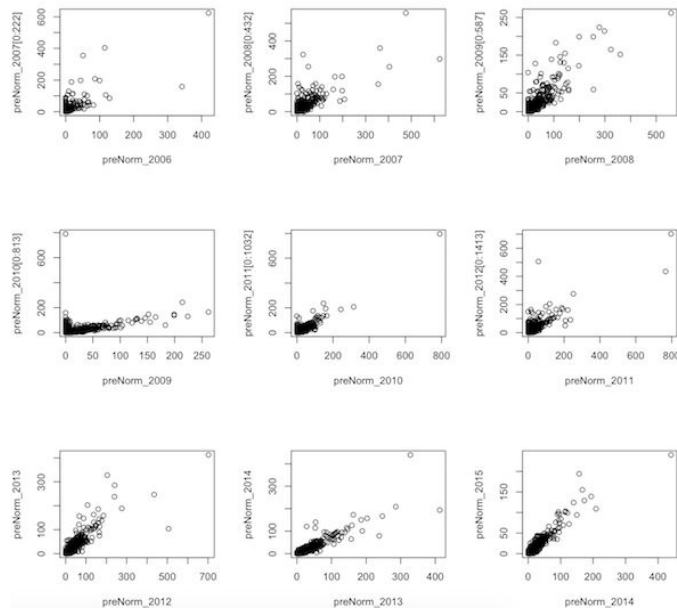
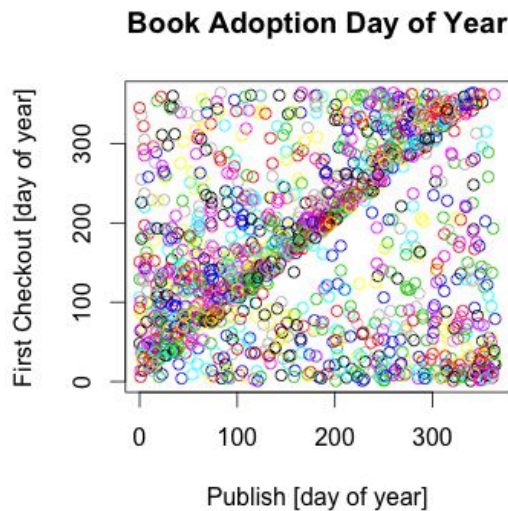


Histogram of adoption



# Continued Exploration

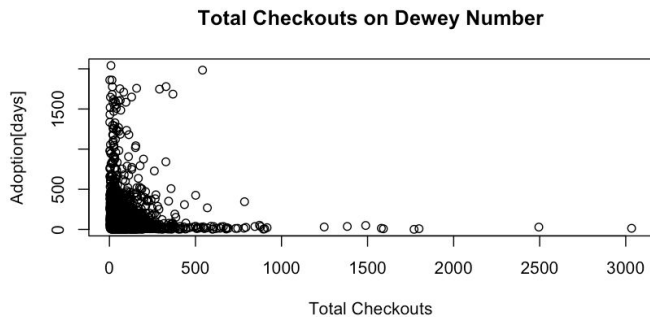
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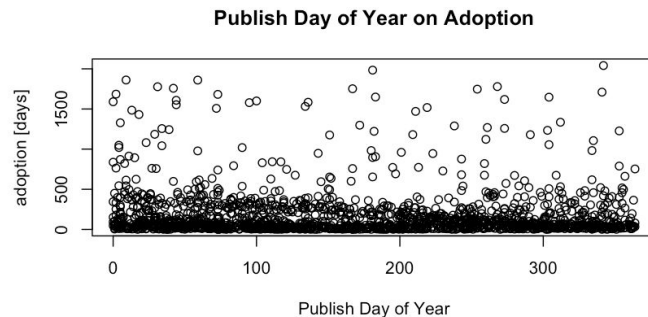


|              |         |
|--------------|---------|
| a_c_2006_cor | -0.3675 |
| a_c_2007_cor | -0.4639 |
| a_c_2008_cor | -0.5343 |
| a_c_2009_cor | -0.1801 |
| a_c_2010_cor | -0.5863 |
| a_c_2011_cor | -0.3729 |
| a_c_2012_cor | -0.0615 |

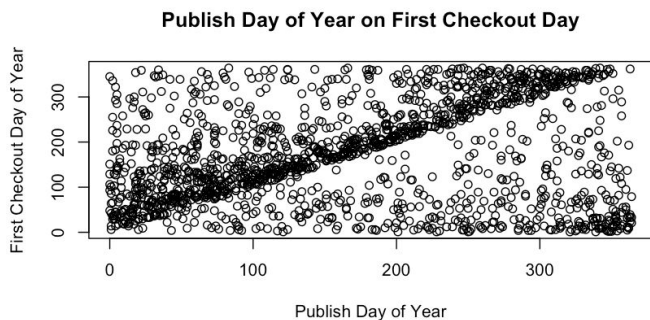
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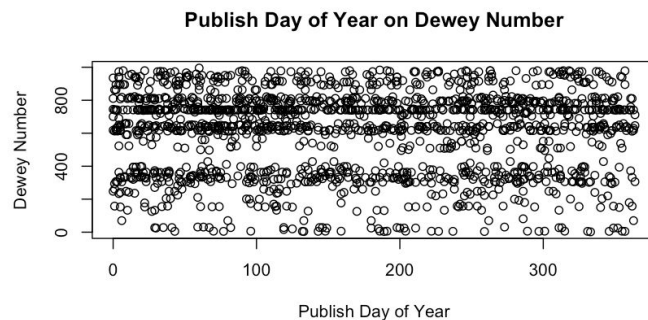
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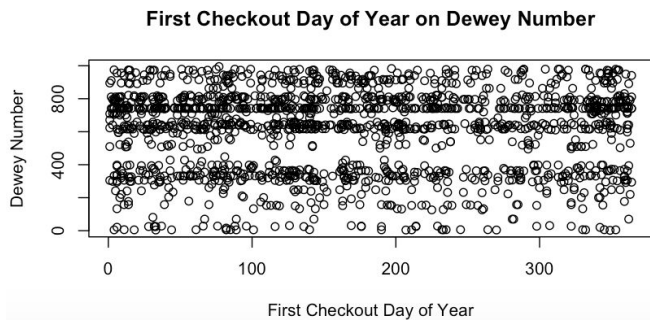
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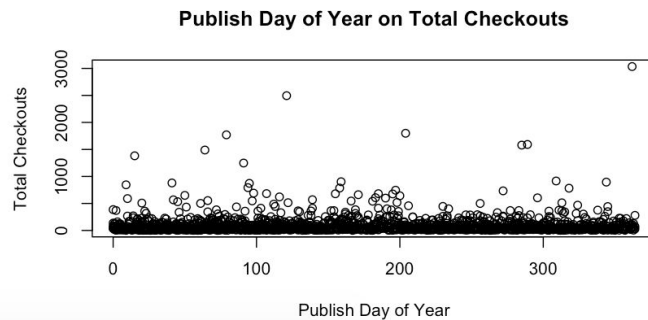
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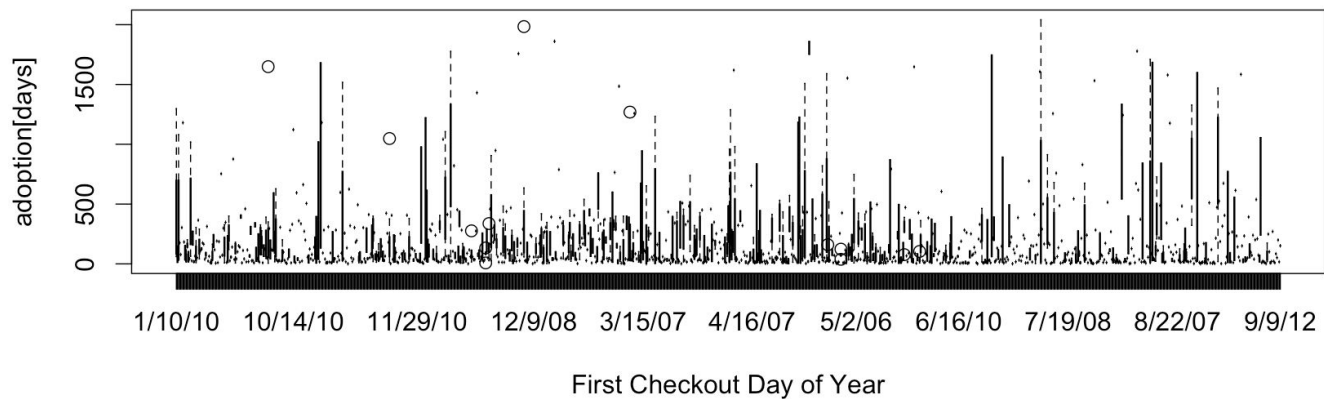
0.002



0.008



### First Checkout against Adoption



### Publish Day against Adoption

