Diskette – Adult
Uncatalogued
Song Book – Ref Adult
Magazine – Adult
Book – Adult
VHS – Adult
Kit – Adult
CD-ROM – Ref Adult
Microfilm – Adult
Book – Ref Juv
DVD – Adult
VHS – Juv Multi Vol
VHS – Adult 1
Book – Adult
CD – Juv
CD-ROM – Juv
Music Score – Adult
Other – Adult
Audio Tape – Juv
Slides – Adult
Poster – Adult
Music Score – Ref Adult
Music Score – Juv
Book – Juv
Kit – Juv
Book – Ref Adult
Book on CD – A
VHS – Adult
Audio Tap
Kit – Adu
CD-ROM
DVD – Juv
VHS – Juv

Data Visualization Workshop

22-26th of November 2010

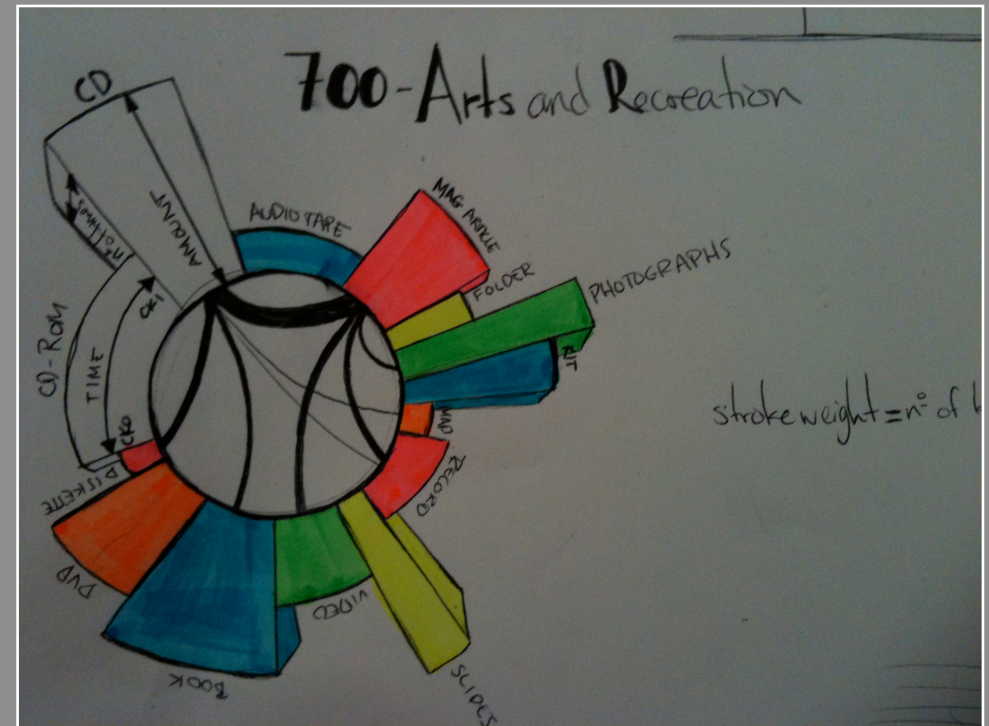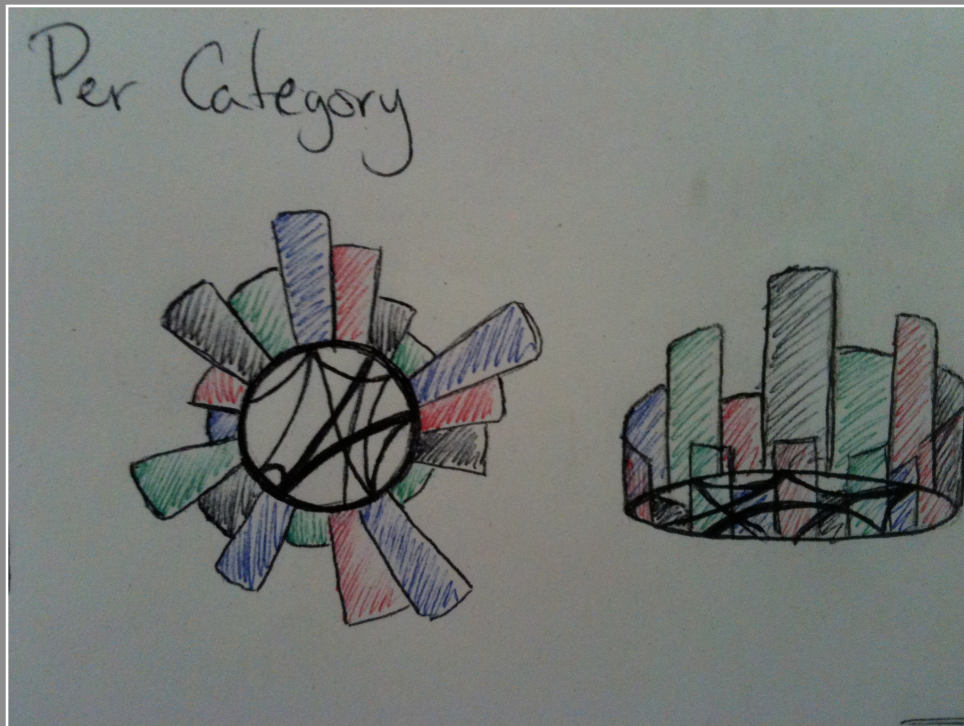**With George Legrady**

www.georgelegrady.com

Project

The focus of the workshop was to visually represent the data collected from the Seattle Public Library.
(www.spl.org)
This data base has been created in 2005, recording every ingoing and outgoing item along with the time, date, item type, title, it's Dewey code, keyword references and other information.

Concept

The idea was to represent how many articles are borrowed and for how long per item type in a specific category.

I hoped to represent this in a circular graphic where the height of each bar would represent the amount and the width would represent the average time lapse each item type was borrowed for.
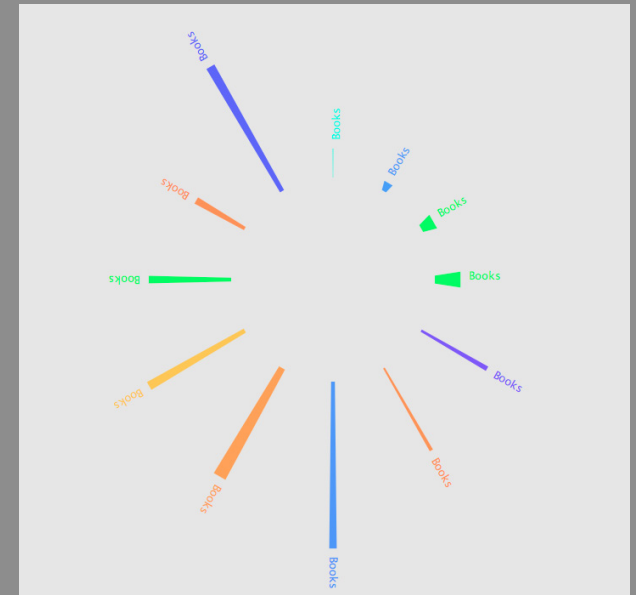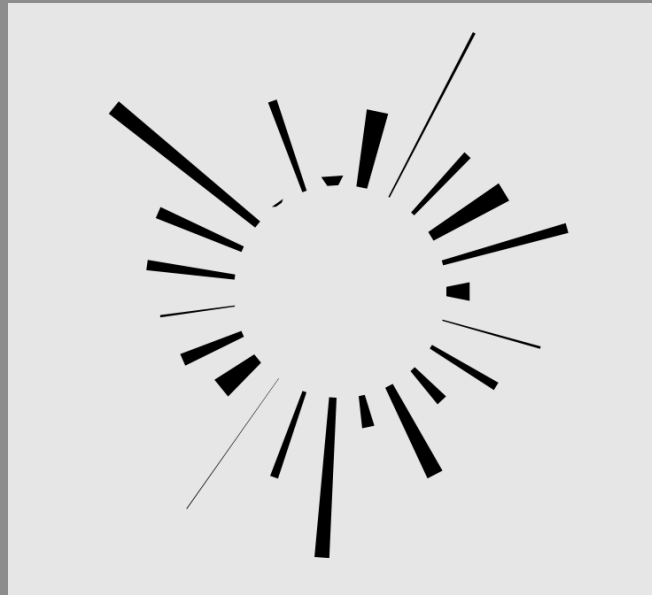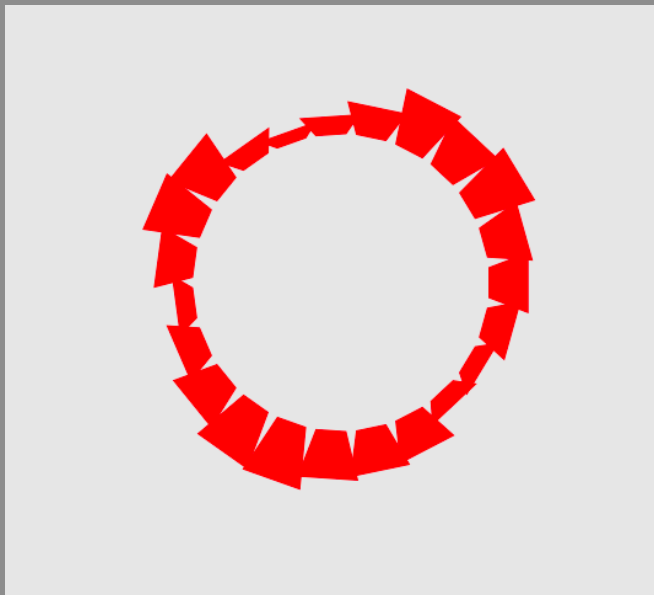
Process

I started producing mock-up visuals without using the actual data first to set up the code necessary for the development of the application which is shown below.
I soon realized that time was short and that I would not be able to accomplish what I hoped in the given time we had.
Mr. Legrady suggested I should work on and modify a similar project accomplished by his assistant Reza Ali (www.syedrezaali.com).
This helped me a lot but I had to give up the idea of calculating the average time lapse each item type was borrowed for due to the complexity of the algorithmes involved.
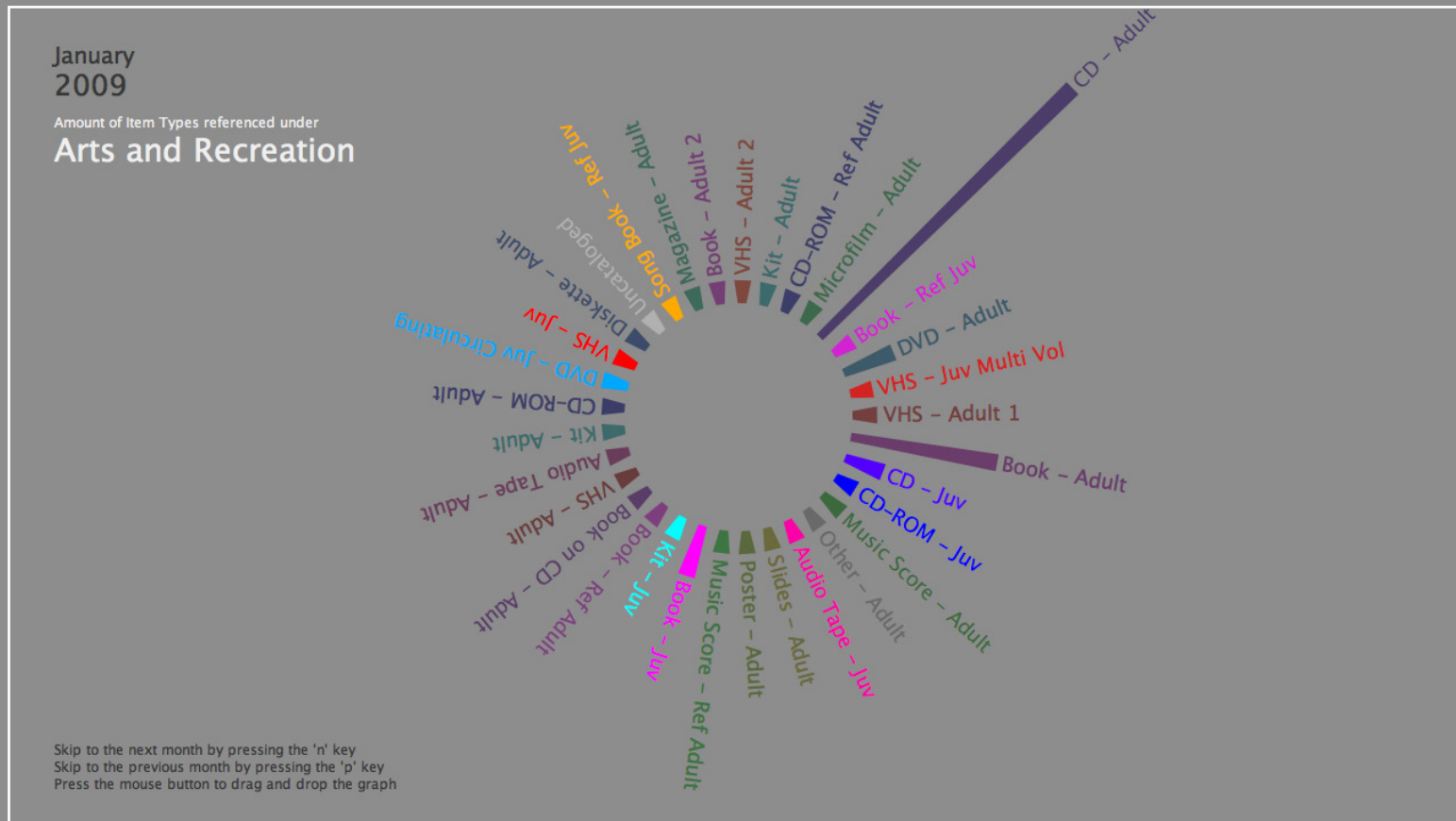
Result

The final result was a circular graphic representing the amount of various item types of the Arts and Recreation Dewey category per month during the year of 2009.
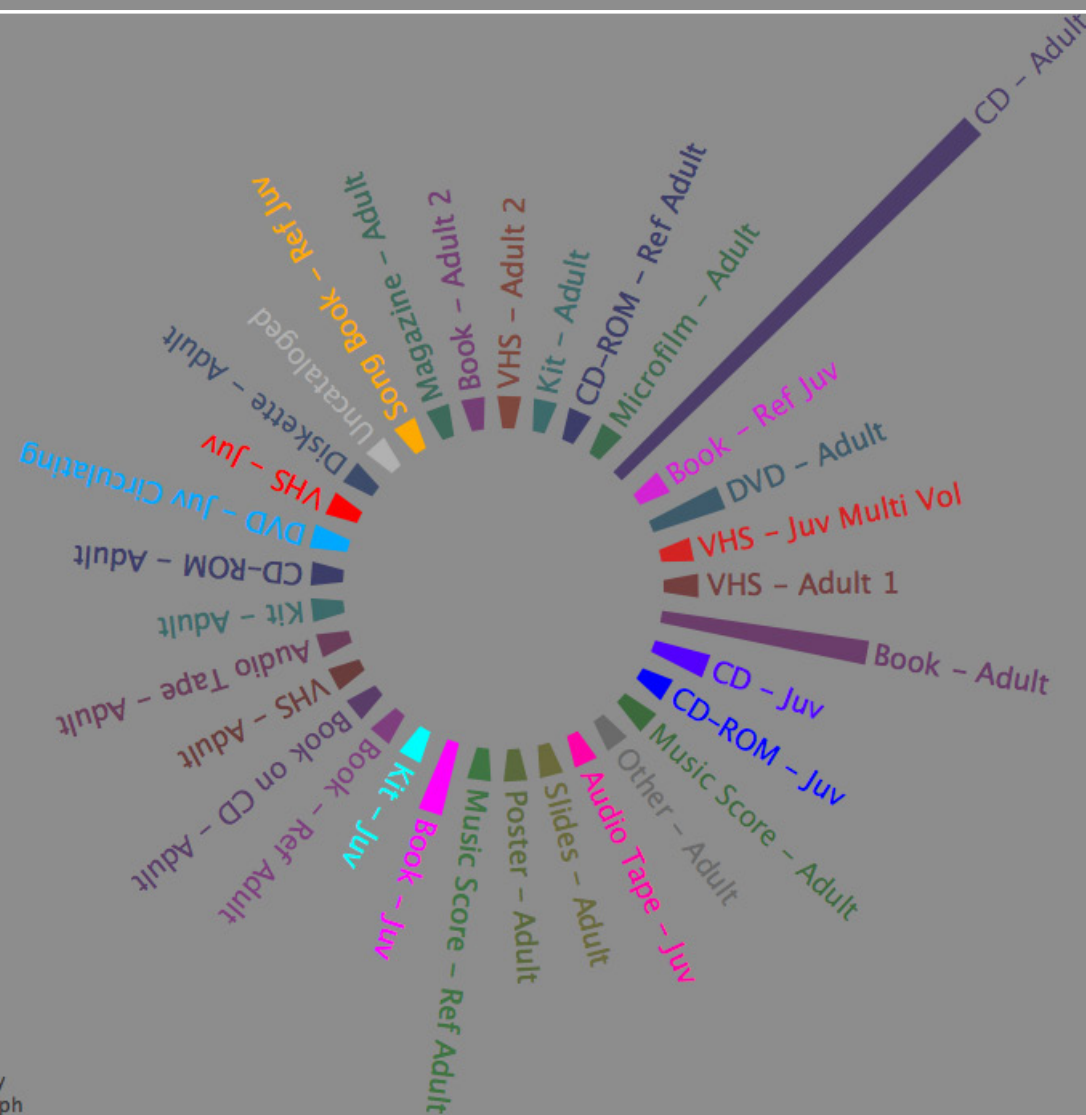Using various the "n" and "p" keys one can switch from one month to the next.
I gave specific colors to each category giving brighter tones to items aimed for a younger audience (referenced under "Juv").
In the future I hope to display the item types in an alphabetical order which will give more coherence to the use of color.

January
2009

Amount of Item Types referenced under

Arts and Recreation

CD – Adult

Book – Ref Juv
Magazine – Adult
Book – Adult 2
VHS – Adult 2
Kit – Adult
CD-ROM – Ref Adult
Microfilm – Adult

Song Book – Ref Juv
Uncataloged
Diskette – Adult

VHS – Juv
DVD – Juv Circulating
CD-ROM – Adult
Kit – Adult
Audio Tape – Adult
VHS – Adult
Book on CD – Adult
Book – Ref Adult
Kit – Juv
Book – Juv
Music Score – Ref Adult
Poster – Adult
Slides – Adult
Audio Tape – Juv
Other – Adult
Music Score – Adult
CD-ROM – Juv
CD – Juv
Book – Adult
VHS – Adult 1
VHS – Juv Multi Vol
DVD – Adult
Book – Ref Juv

Skip to the next month by pressing the 'n' key
Skip to the previous month by pressing the 'p' key
Press the mouse button to drag and drop the graph