

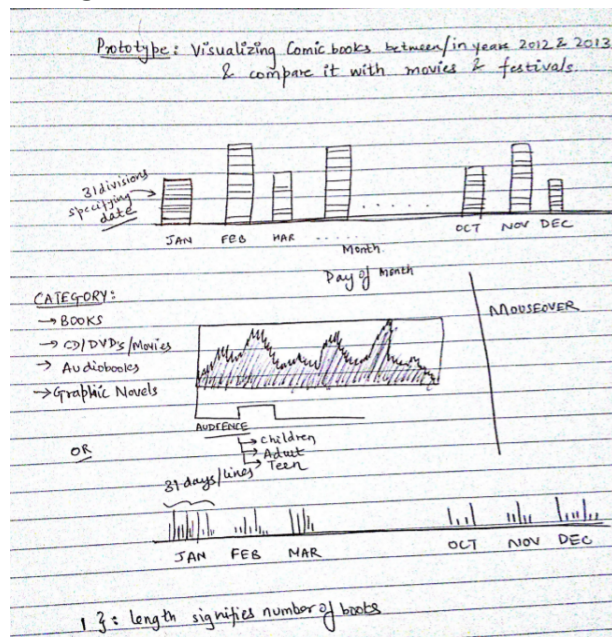
## Introduction:

Visualizing comic books. Comic books and kids book are one of the most searched terms within the seattle public library.

I would like to visualize the distribution of keywords in years 2012 and 2013. I would include searching within the Dewey class system and displaying which comic books were the most popular.

It would also relate to the biggest comic con festival in Seattle which had more than 50000 attendees last year; and how it has affected the overall distribution of book sand other media!

## Background and sketches:



## Query:

```
//books and dvd/cd's with deweyClass 741.5 and 791.4(for dvd)
```

```
query1 -> SELECT distinct title,count(*) from spl2.inraw where deweyClass = '741.5' OR  
deweyClass = '791.4' AND date(cout)>'2012-01-01' AND date(cout)<'2013-12-30';
```

Processing Time: 0.7 sec

```
//since the comic-con festival in the last 2 year have been in March-April
```

```
//2012
```

```
query2 -> SELECT distinct title,count(*), month(cout) as month from spl2.inraw where  
deweyClass = '741.5' OR deweyClass = '791.4' AND date(cout)>'2012-02-01' AND
```

date(cout)<'2012-05-01' GROUP by year(cout) ORDER by month(cout) asc;  
Processing Time: 0.09 sec

//seeing only in months march and april

*query3* -> SELECT distinct title,count(\*), month(cout) as month from spl2.inraw where month(cout) = '3' or month(cout) = '4' AND deweyClass = '741.5' OR deweyClass = '791.4' AND date(cout)>'2012-02-01' AND date(cout)<'2012-05-01' GROUP by year(cout) ORDER by month(cout) asc;

//2013

*query4* -> SELECT distinct title AS Title from spl2.inraw where deweyClass = '741.5' OR deweyClass = '791.4' AND date(cout)>'2013-02-01' AND date(cout)<'2013-05-01' AND SUM(CASE WHEN itemtype ='accd' THEN 1 ELSE 0 END) CD, SUM(CASE WHEN itemtype ='acdvd' THEN 1 ELSE 0 END) DVD;

*query5* -> SELECT title, subj as subject, itemtype from spl2.inraw where title like "%comic%" deweyClass = '741.5' OR deweyClass = '791.4' AND date(cout)>'2012-01-01' AND date(cout)<'2013-12-30';

Processing Time : 59.55 sec

*query6* -> SELECT distinct title, itemtype from spl2.inraw where deweyClass = '741.5' OR deweyClass = '791.4' OR title like "%comics%" AND date(cout)>'2012-01-01' AND date(cout)<'2013-12-30';

**Query results:** query1 -> 311 results obtained

query2 -> 2700 results

query3 -> 300 result

query4, query5 and query 6 had 2700 results

