

I changed my data inquiry within my mySQL to reflect a more intriguing data set. My original query, I felt would not yield an interesting 2D visual. So I changed my search to reflect the popularity of Seattle grunge music in 2006.

I started with the band Nirvana then looked to see the popularity of the subsequent bands Nirvana had subsequently shared members with. I first looked at the Foo Fighters who shared a drummer with Nirvana. Then I looked at Sunny Day Real Estate who share a member with the Foo Fighters. I then finally looked at Hole, who's lead singer, was married to someone in Nirvana.

In looking at Nirvana, Foo Fighters, Sunny Day Real Estate and Hole I sought to see the popularity of each bands early release performance against each others check out rates. I chose to only sample the year 2006 because each subsequent year appeared to demonstrate lower and lower checkout rates presumably because the consumption of music has embodied less of a demand in the Compact Disk format.

I started with a search to gather each releases bib number then recorded them. I then took each bib number and did a total query against each of the other bib numbers.

```
SELECT
bibNumber, title,
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 1) THEN 1
ELSE 0
END) AS '2006-1',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 2) THEN 1
ELSE 0
END) AS '2006-2',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 3) THEN 1
ELSE 0
END) AS '2006-3',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 4) THEN 1
ELSE 0
END) AS '2006-4',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 5) THEN 1
ELSE 0
END) AS '2006-5',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 6) THEN 1
ELSE 0
END) AS '2006-6',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 7) THEN 1
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ELSE 0
END) AS '2006-7',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 8) THEN 1
ELSE 0
END) AS '2006-8',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 9) THEN 1
ELSE 0
END) AS '2006-9',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 10) THEN 1
ELSE 0
END) AS '2006-10',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 11) THEN 1
ELSE 0
END) AS '2006-11',
SUM(CASE
WHEN (YEAR(cout) = 2006 AND MONTH(cout) = 12) THEN 1
ELSE 0
END) AS '2006-12'
FROM
spl_2016.inraw
WHERE
bibNumber = '1254271'
OR bibNumber = '1318184'
OR bibNumber = '596977'
OR bibNumber = '1633444'
OR bibNumber = '2040694'
OR bibNumber = '1845161'
OR bibNumber = '1849805'
OR bibNUmber = '1847206'
OR bibNUmber = '1839774'
AND (itemType LIKE '%CD%')
GROUP BY bibNumber , title, itemType

```

These were the results with the collected bib numbers. The total query took about 20 seconds.

Result Grid		Filter Rows:		Q Search		Export:								
bibNumber	title	2006-1	2006-2	2006-3	2006...	2006-5	2006...	2006-7	2006...	2006...	2006-10	2006-11	2006-12	
▶ 596977	Bleach	10	19	24	19	21	29	16	30	16	28	18	23	
1254271	Nevermind	30	13	33	25	25	37	32	30	27	24	26	18	
1318184	In utero	21	17	20	18	12	20	27	11	16	17	20	7	
1633444	Foo Fighters	12	13	12	10	14	9	12	15	11	16	12	7	
1839774	Celebrity skin	3	1	3	4	5	2	6	7	7	3	2	4	
1845161	Diary	2	10	4	6	6	6	7	7	6	4	13	6	
1847206	Live through this	4	1	7	3	6	7	12	10	8	9	6	4	
1849805	How it feels to be something on	8	10	4	2	3	10	7	11	4	10	15	4	
2040694	There is nothing left to lose	11	10	19	11	15	12	13	15	11	12	15	5	
Result 123														

To be clear : Bleach = Nirvana, Nevermind = Nirvana, In Utero = Nirvana, Foo Fighters = Foo Fighters, Celebrity Skin = Hole, Day = Sunny Real Estate, Live Through This = Hole, How It Feels to be Something On = Sunny Day Real Estate, There is Nothing left to Loose = Sunny Day Real Estate.

I plugged this info into Processing.