

Homework #1: Interest in autobiographies

Autobiographies provide an opportunity for self reflection, by looking into the lives of other people. This query explores the interest in that topic throughout the years and months.

Query:

```
SELECT
  MONTH(cout),
  MONTH(cout),
  YEAR(cout),
  SUM(CASE
    WHEN title LIKE '%autobiography' THEN 1
    ELSE 0
  END) AS autobio
FROM
  spl2.inraw
WHERE
  DATE(cout) >= '2006-01-01'
  AND DATE(cout) <= '2013-12-31'
GROUP BY MONTH(cout) , YEAR(cout)
ORDER BY YEAR(cout) , MONTH(cout)
```

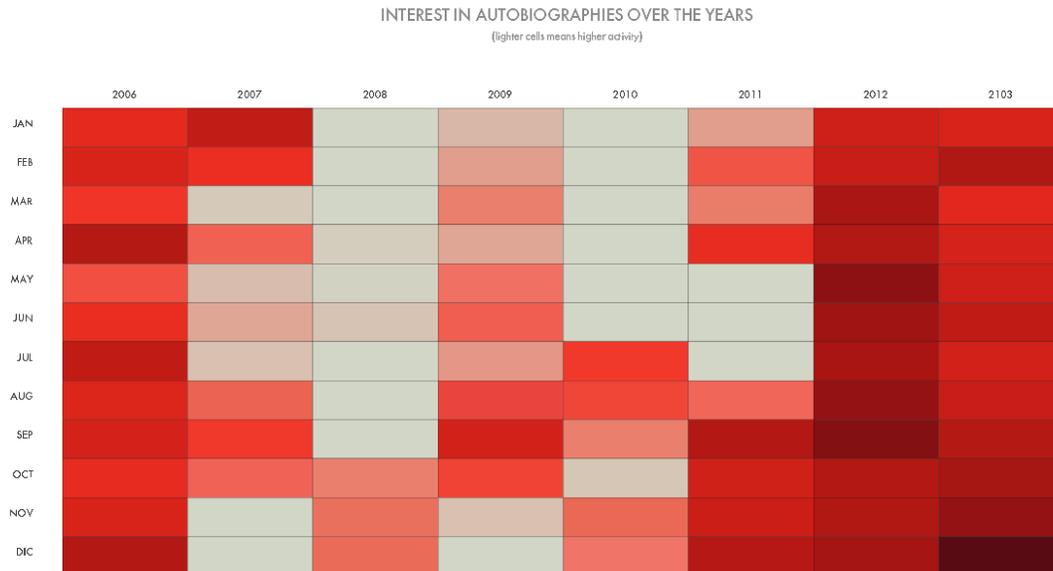
Query time:

320 s.

Partial screenshot of the database:

MONTH(cout)	MONTH(cout)	YEAR(cout)	autobio
1	1	2006	148
2	2	2006	137
3	3	2006	163
4	4	2006	113
5	5	2006	176
6	6	2006	153
7	7	2006	120
8	8	2006	140

Homework #2: 2D Matrix

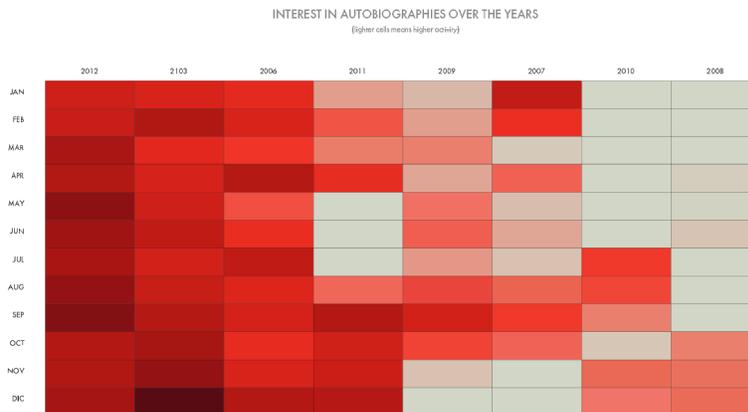


General view of the grid. 2008 and 2010 were the years with most interest. 2006 show very small interest, but this can be because of partial data logs.

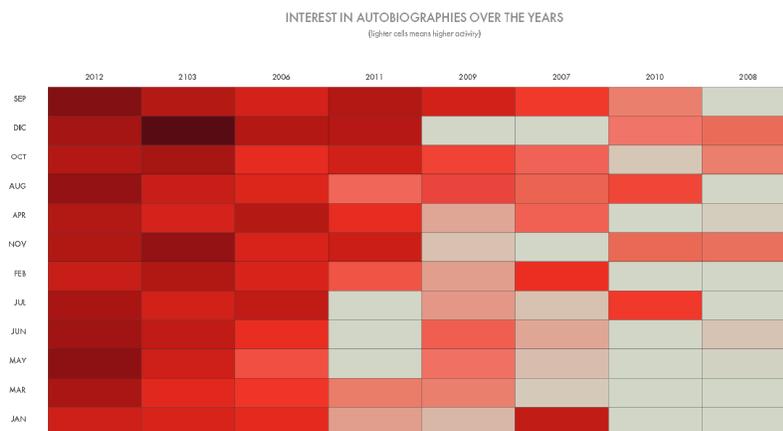
Query time: 320s.

Homework #3: Re-ordered 2D matrix

Data ordered by columns:



Data ordered by rows:



Almost all years above 2010 show a decrease in autobiographies. 2012 is the year with the least interest. In terms of months, January is the month with higher interest, while the months from the second half of the year are the ones with the least interest.

Query time: 320s.