

Faculty of Engineering

CSC 370 Assignment 4

Submitted by Team: Kaizen Blitz

Ryan Woodward - V00857268 Brendan Ciccone - V00871008 Sarah Sparrow - V00819941

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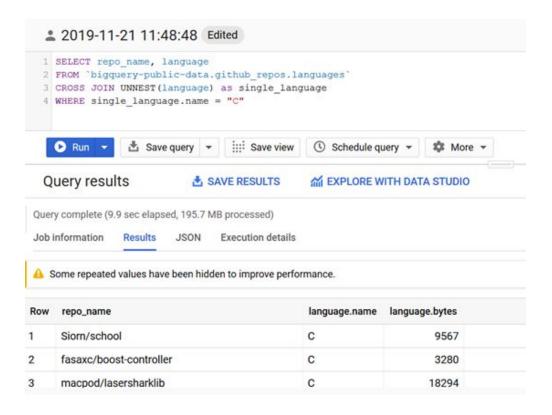
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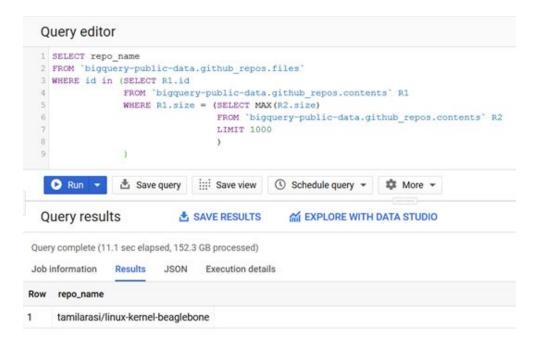
1. Github Repositories Dataset

The following queries were done on the Github Repositories dataset which holds contents from 2.9M public, open source licensed repositories on GitHub.

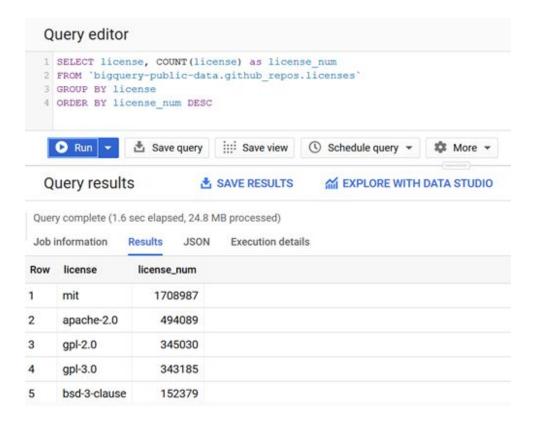
1.1. What repos have C files?



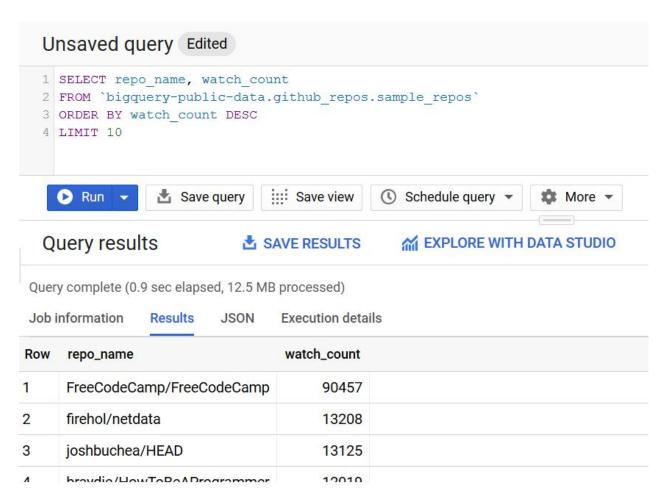
1.2. What repo had file with biggest size?



1.3. What are the top licenses used?



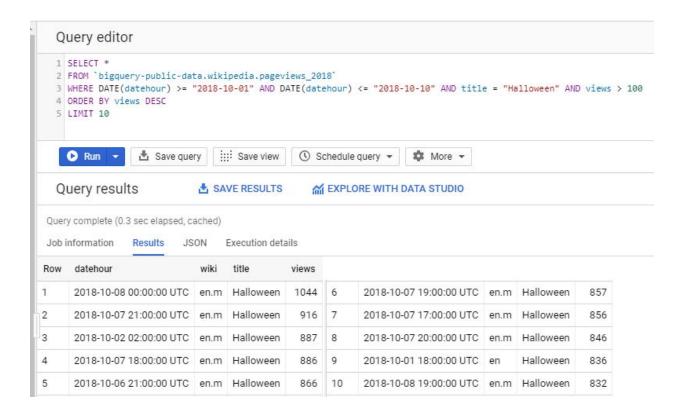
1.4. What are the top 10 most watched repos?



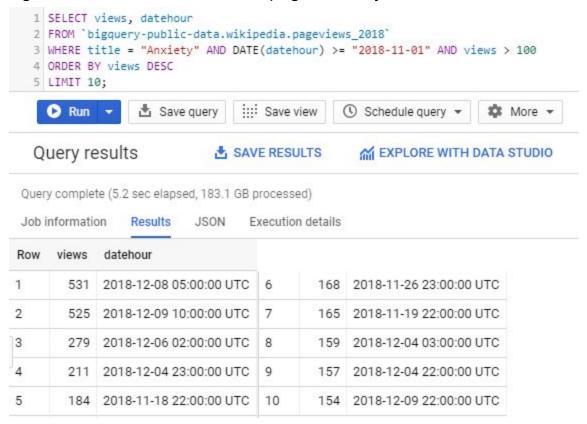
2. Wikipedia Pageviews Dataset

The following queries were done on the Wikipedia Pageviews dataset which holds Wikipedia page views during 2018.

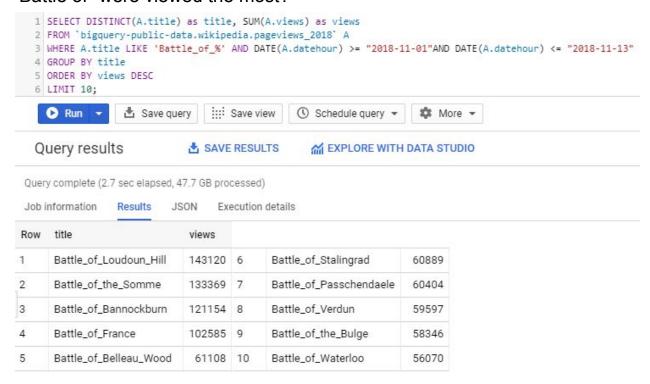
2.1. What day in the beginning of October 2018 has the highest amount of views on the page "Halloween"?



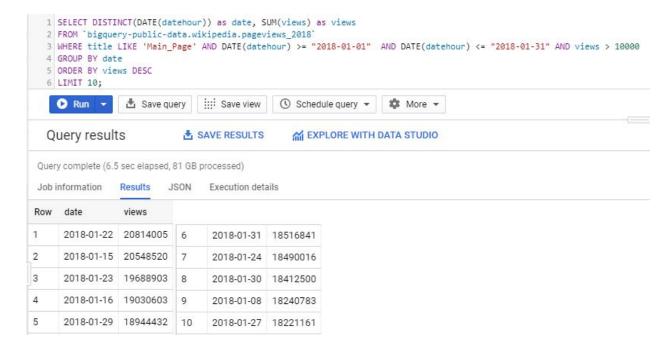
2.2. What day in the beginning from November to December 2018 has the highest amount of views on the page "Anxiety"?



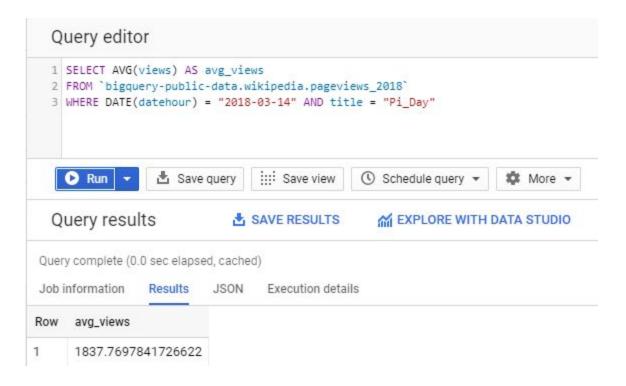
2.3. Between Nov 1st and Nov 13th, 2018, what pages with titles like "Battle of" were viewed the most?



2.4. What days in January 2018 did the Main Page have the most views



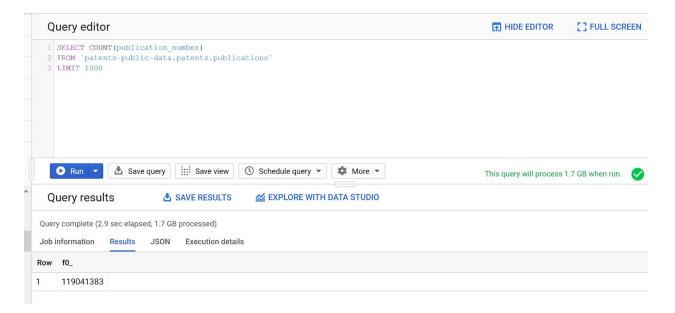
2.5. What was the avg hourly views on the page "Pi Day" on March 14, 2018



3. Google Patents Public Dataset

The following queries were executed using the Google Patents Public Dataset. The overview of this set describes it as containing data based on section 337. Section 337 declares the infringement of certain statutory intellectual property rights and other forms of unfair competition in import trade to be unlawful practices. Most Section 337 investigations involve allegations of patent or registered trademark infringement.

3.1. How many patents have been filed?



3.2. How many patents has each country filed? With a minimum of 100 patents filed

```
SELECT COUNT(*) AS cnt, country_code
FROM `patents-public-data.patents.publications

GROUP BY country_code
HAVING cnt > 100

ORDER BY country_code
```

^	9	3241713	CA				
	10	726798	СН		Job information		Results JSON Execution details
	11	31897	CL		87	1772123	
	12	22734436	CN		88	184974 16802823	
					90	13668	
	13	27816	CO		91	217	VN
	14	9565	CR		92	4296882	
	15	174257	CS		93	57072	YU

3.3. How many patents did each country file in the year 2018

Query editor 1 SELECT COUNT(*) AS cnt, country_code 2 FROM `patents-public-data.patents.publications` 3 WHERE publication_date >= 20180101 AND publication_date <= 20181231 4 GROUP BY country_code 5 HAVING cnt > 100 6 ORDER BY country_code;

Job	information	Results	JSON	Execution details	
6	52352	BR			
7	52409	CA			
8	1791	СН			
9	4320	CL			
10	3486501	CN			
11	2628	СО			

3.4. What has been the number of patents Canada put out each year?



