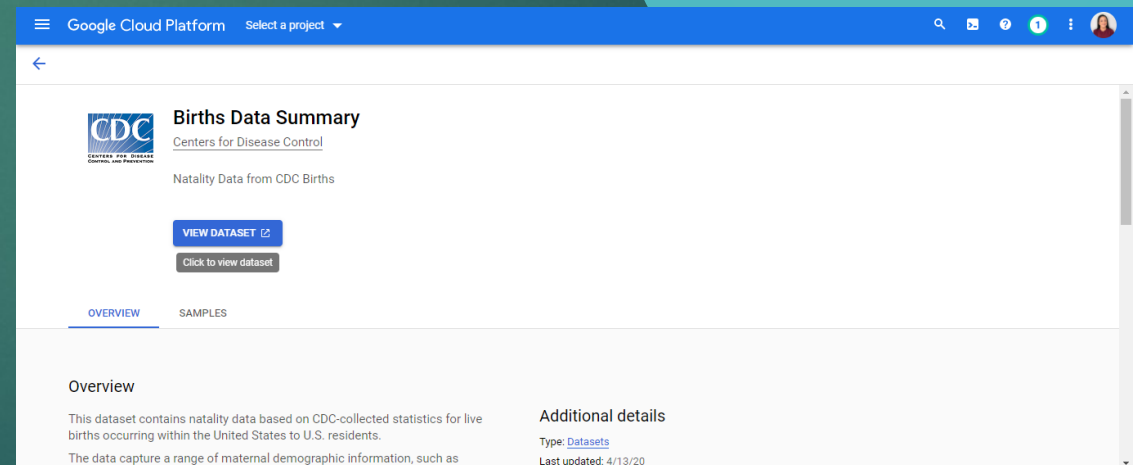


Big Query

SQL sorting queries

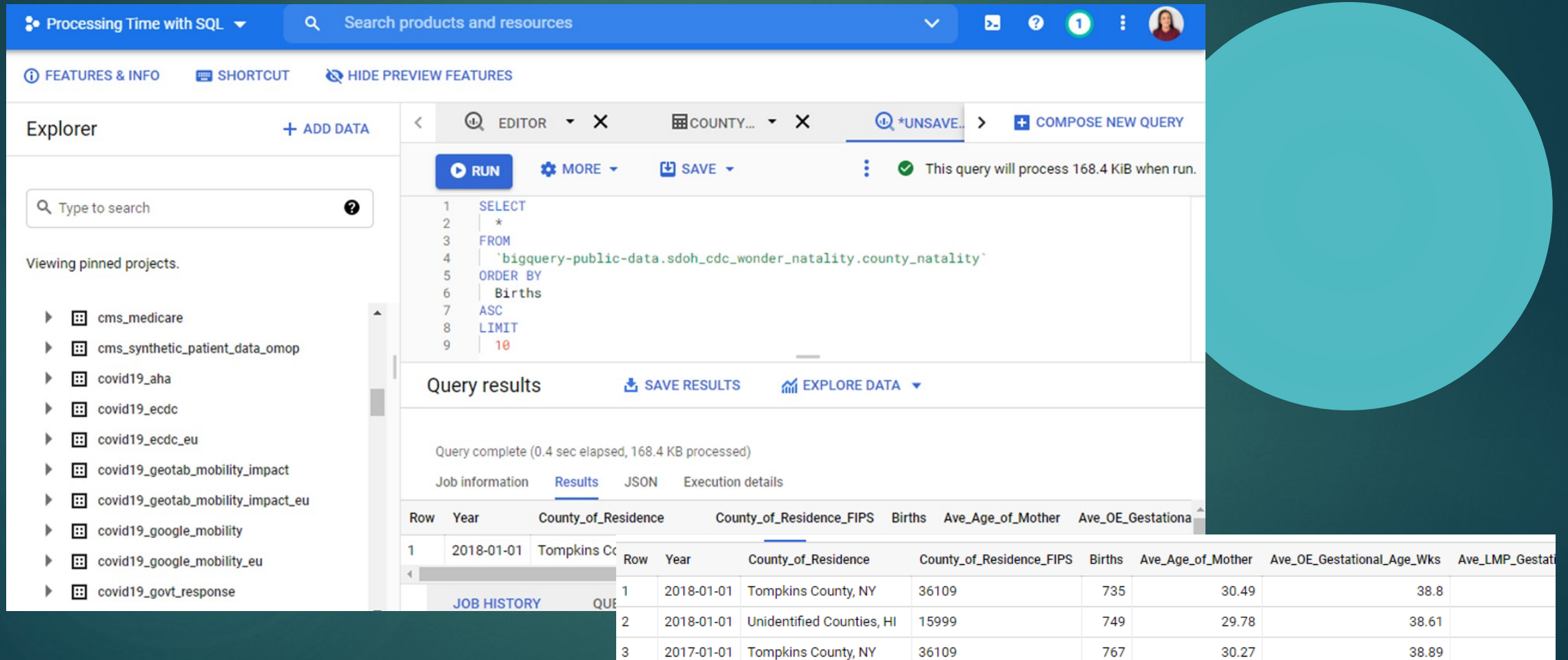
CDC Births Data Summary Public Dataset

<https://console.cloud.google.com/marketplace/product/center-disease-control/wonder-births?filter=solution-type:dataset&project=innote-shape-294312>



ORDER BY ASC

Tompkins County, NK had just 735 births in 2018, the lowest birth count in any county in the US between 2016-2018.



The screenshot displays a SQL query editor interface. The query is as follows:

```
1 SELECT
2   *
3 FROM
4   `bigquery-public-data.sdohc_wonder_natality.county_natality`
5 ORDER BY
6   Births
7 ASC
8 LIMIT
9   10
```

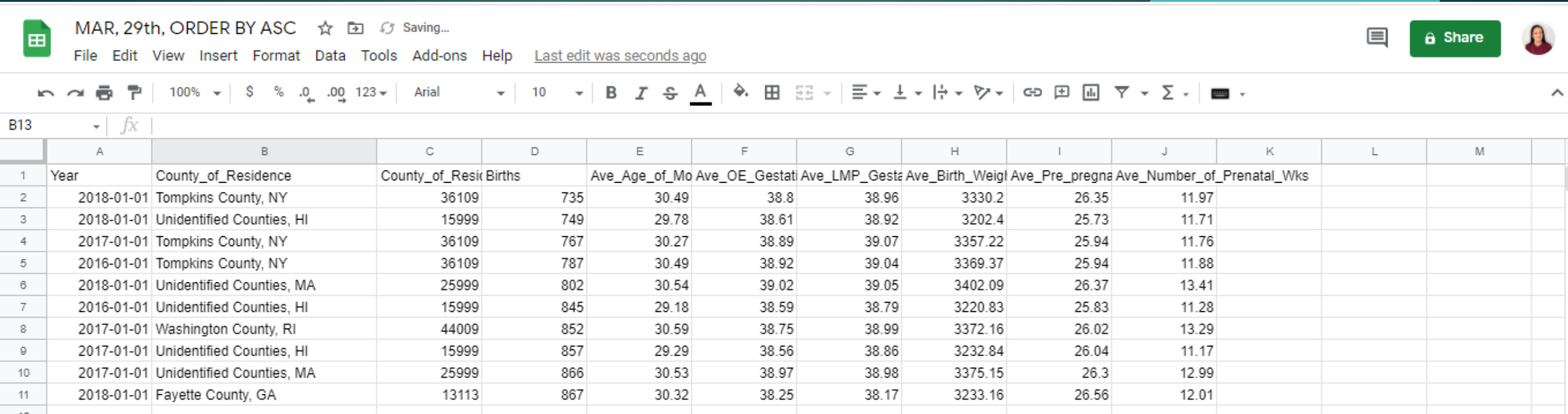
The query results are shown in a table with the following columns: Row, Year, County_of_Residence, County_of_Residence_FIPS, Births, Ave_Age_of_Mother, Ave_OE_Gestational_Age_Wks, and Ave_LMP_Gestational_Age_Wks. The results are sorted by Births in ascending order.

Row	Year	County_of_Residence	County_of_Residence_FIPS	Births	Ave_Age_of_Mother	Ave_OE_Gestational_Age_Wks	Ave_LMP_Gestational_Age_Wks
1	2018-01-01	Tompkins County, NY	36109	735	30.49	38.8	
2	2018-01-01	Unidentified Counties, HI	15999	749	29.78	38.61	
3	2017-01-01	Tompkins County, NY	36109	767	30.27	38.89	



ORDER BY ASC

Tompkins County, NK had just 735 births in 2018, the lowest birth count in any county in the US between 2016-2018.



The image shows a Google Sheets spreadsheet titled "MAR, 29th, ORDER BY ASC". The spreadsheet contains data for births in various US counties from 2016 to 2018. The data is sorted by the "County_of_Residence" column in ascending order. The columns are: Year, County_of_Residence, County_of_Residence (labeled as "County_of_Resi" in the header), Births, Ave_Age_of_Mo, Ave_OE_Gestati, Ave_LMP_Gesta, Ave_Birth_Weigl, Ave_Pre_pregna, Ave_Number_of_Prenatal_Wks, and an empty column labeled "M".

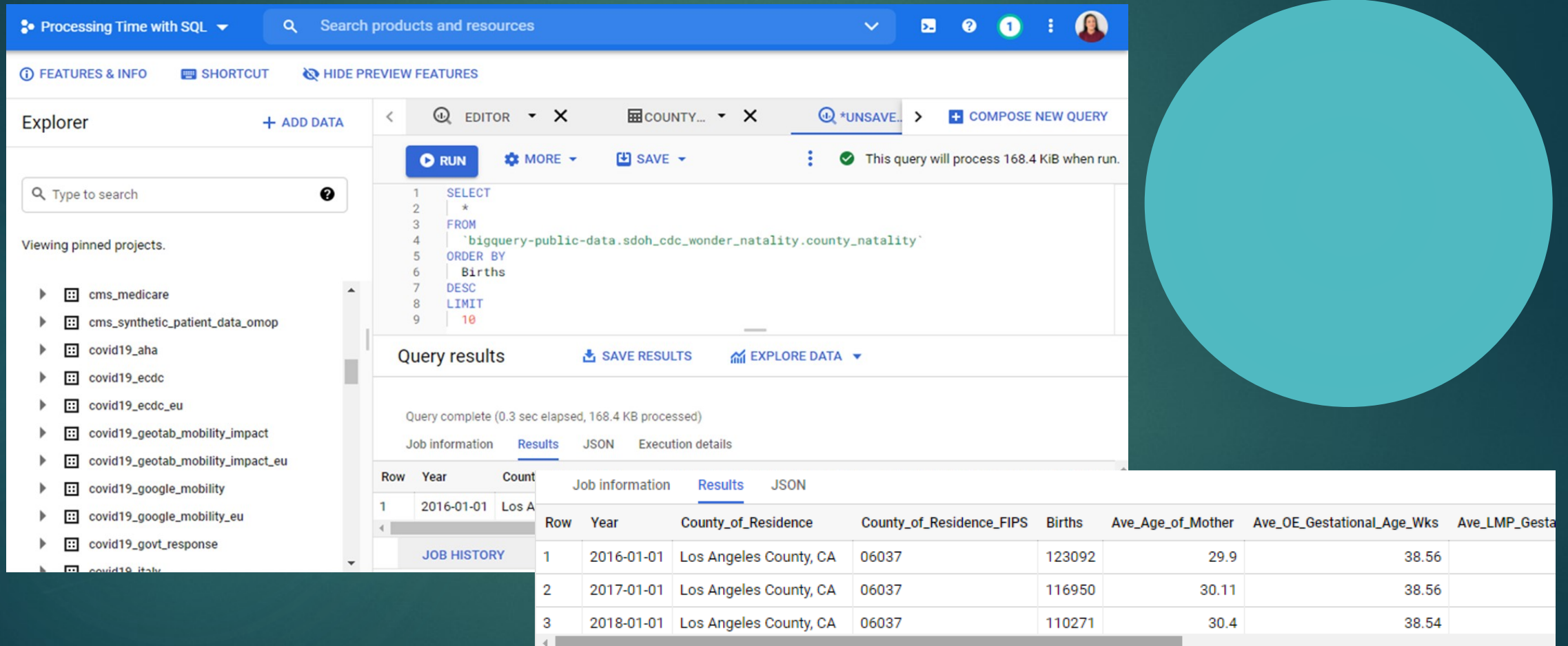
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Year	County_of_Residence	County_of_Resi	Births	Ave_Age_of_Mo	Ave_OE_Gestati	Ave_LMP_Gesta	Ave_Birth_Weigl	Ave_Pre_pregna	Ave_Number_of_Prenatal_Wks			
2	2018-01-01	Tompkins County, NY	36109	735	30.49	38.8	38.96	3330.2	26.35	11.97			
3	2018-01-01	Unidentified Counties, HI	15999	749	29.78	38.61	38.92	3202.4	25.73	11.71			
4	2017-01-01	Tompkins County, NY	36109	767	30.27	38.89	39.07	3357.22	25.94	11.76			
5	2016-01-01	Tompkins County, NY	36109	787	30.49	38.92	39.04	3369.37	25.94	11.88			
6	2018-01-01	Unidentified Counties, MA	25999	802	30.54	39.02	39.05	3402.09	26.37	13.41			
7	2016-01-01	Unidentified Counties, HI	15999	845	29.18	38.59	38.79	3220.83	25.83	11.28			
8	2017-01-01	Washington County, RI	44009	852	30.59	38.75	38.99	3372.16	26.02	13.29			
9	2017-01-01	Unidentified Counties, HI	15999	857	29.29	38.56	38.86	3232.84	26.04	11.17			
10	2017-01-01	Unidentified Counties, MA	25999	866	30.53	38.97	38.98	3375.15	26.3	12.99			
11	2018-01-01	Fayette County, GA	13113	867	30.32	38.25	38.17	3233.16	26.56	12.01			
12													



ORDER BY DESC

Top 10 counties with most births in a year

Query for the 10 rows with the largest values in the 'Birth' column. Los Angeles County takes up to the top.



The screenshot shows a SQL query interface with a query editor and a results table. The query is:

```
1 SELECT
2 *
3 FROM
4 `bigquery-public-data.sdo_h_cdc_wonder_natality.county_natality`
5 ORDER BY
6 Births
7 DESC
8 LIMIT
9 10
```

The results table shows the top 3 counties by birth count for the year 2016-01-01:

Row	Year	County_of_Residence	County_of_Residence_FIPS	Births	Ave_Age_of_Mother	Ave_OE_Gestational_Age_Wks	Ave_LMP_Gesta
1	2016-01-01	Los Angeles County, CA	06037	123092	29.9	38.56	
2	2017-01-01	Los Angeles County, CA	06037	116950	30.11	38.56	
3	2018-01-01	Los Angeles County, CA	06037	110271	30.4	38.54	



ORDER BY DESC

Top 10 counties with most births in a year

Query for the 10 rows with the largest values in the 'Birth' column. Los Angeles County takes up to the top.

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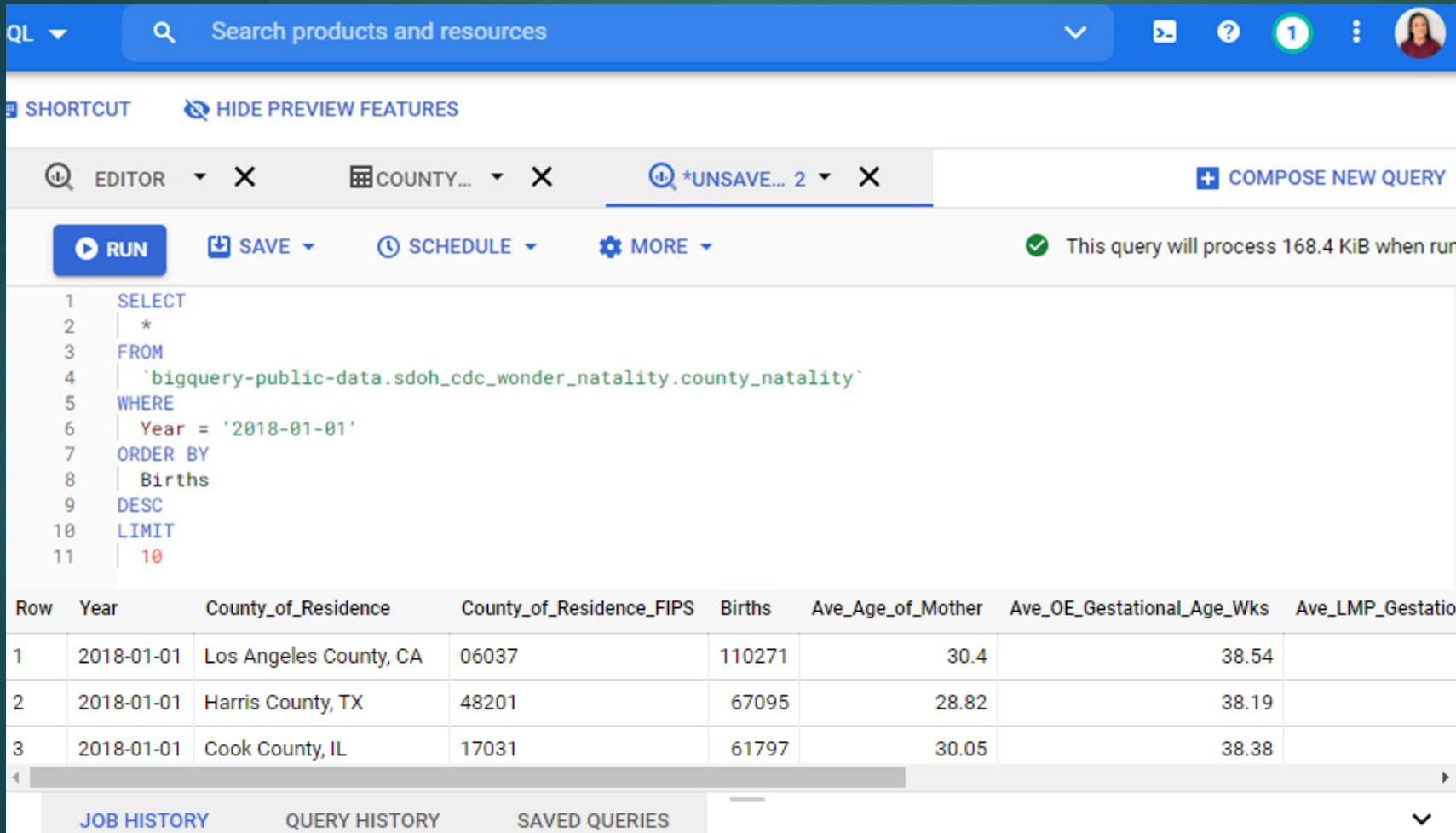
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ORDER BY and WHERE clause

Top 10 counties with the highest birth counts for 2018 only



The screenshot displays the BigQuery web interface. At the top, there's a search bar and navigation icons. Below, the 'EDITOR' tab is active, showing a SQL query. The query is designed to select all data from the 'bigquery-public-data.sdohc_wonder_natality.county_natality' table for the year 2018, ordered by the number of births in descending order, and limited to the top 10 results. Below the query editor, a status message indicates the query will process 168.4 KiB. The results are shown in a table with 8 columns: Row, Year, County_of_Residence, County_of_Residence_FIPS, Births, Ave_Age_of_Mother, Ave_OE_Gestational_Age_Wks, and Ave_LMP_Gestation. The first three rows of data are visible, showing Los Angeles County, CA, Harris County, TX, and Cook County, IL.

```
1 SELECT
2   *
3 FROM
4   `bigquery-public-data.sdohc_wonder_natality.county_natality`
5 WHERE
6   Year = '2018-01-01'
7 ORDER BY
8   Births
9 DESC
10 LIMIT
11  10
```

Row	Year	County_of_Residence	County_of_Residence_FIPS	Births	Ave_Age_of_Mother	Ave_OE_Gestational_Age_Wks	Ave_LMP_Gestation
1	2018-01-01	Los Angeles County, CA	06037	110271	30.4	38.54	
2	2018-01-01	Harris County, TX	48201	67095	28.82	38.19	
3	2018-01-01	Cook County, IL	17031	61797	30.05	38.38	

At the bottom of the interface, there are tabs for 'JOB HISTORY', 'QUERY HISTORY', and 'SAVED QUERIES'.



ORDER BY and WHERE clause

Top 10 counties with the highest birth counts for 2018 only

MAR, 29th, ORDER BY and WHERE clause ☆ 📁 Saved to Drive

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Year	County_of_Residence	County_of_Residence	Births	Ave_Age_of_Mo	Ave_OE_Gestati	Ave_LMP_Gesta	Ave_Birth_Weigl	Ave_Pre_pregna	Ave_Number_of_Prenatal_Wks					
2018-01-01	Los Angeles County, CA	6037	110271	30.4	38.54	38.63	3260.45	26.6	12.19					
2018-01-01	Harris County, TX	48201	67095	28.82	38.19	38.32	3203.57	27.27	9.86					
2018-01-01	Cook County, IL	17031	61797	30.05	38.38	38.51	3230.21	27.13	10.88					
2018-01-01	Unidentified Counties, TX	48999	56295	26.89	38.26	38.42	3247.91	27.96	10.52					
2018-01-01	Maricopa County, AZ	4013	51854	28.69	38.44	38.53	3281.98	27.06	11.09					
2018-01-01	Unidentified Counties, GA	13999	41000	26.97	38.17	38.38	3197.04	28.46	11.24					
2018-01-01	San Diego County, CA	6073	40070	30.31	38.64	38.69	3300.06	26.06	11.86					
2018-01-01	Kings County, NY	36047	38574	30.39	38.68	38.73	3236.79	25.04	10.96					
2018-01-01	Unidentified Counties, VA	51999	38308	28.39	38.5	38.69	3276.37	28.05	11.37					
2018-01-01	Dallas County, TX	48113	38182	28.48	38.4	38.57	3235.31	25.92	9.77					