SQL Queries including join

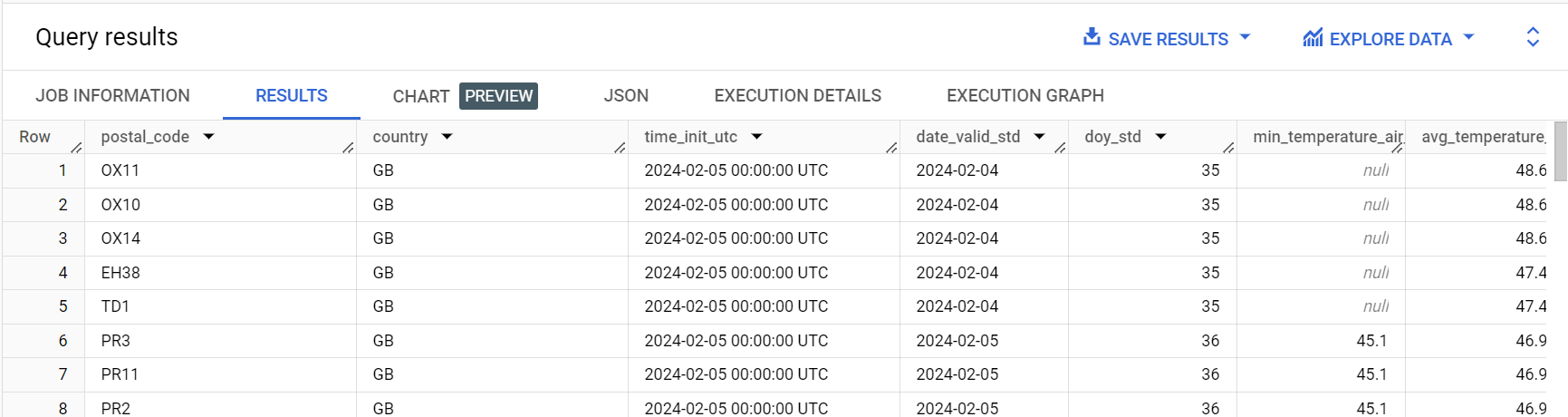
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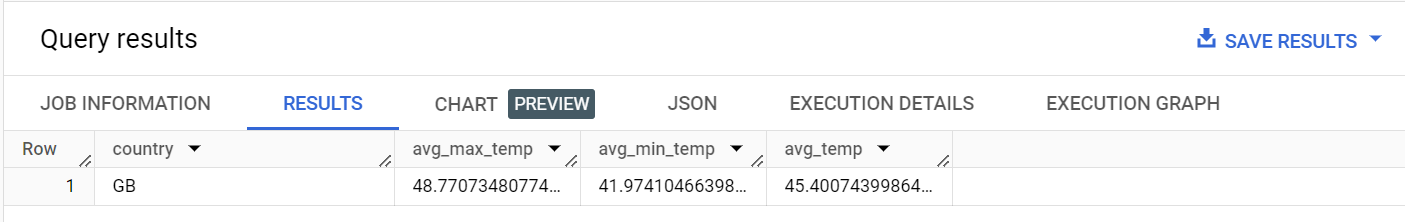
1. Display all the attributes of the data.

select \* from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_great\_britain\_postalcode\_daily;



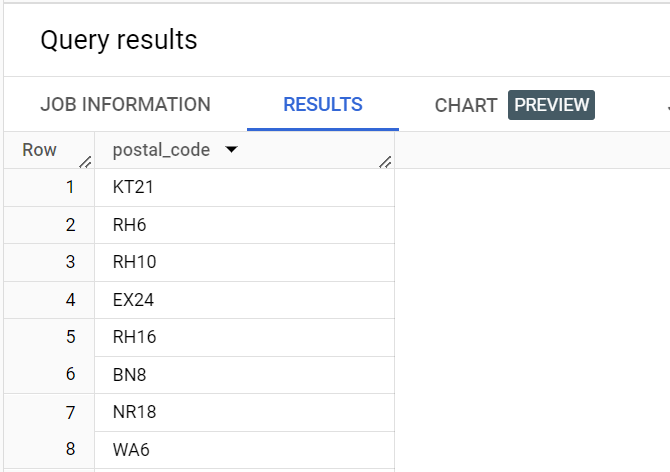
1. Get max, min and average air temperature for GB country.

select country,avg(max\_temperature\_air\_2m\_f) as avg\_max\_temp,avg(min\_temperature\_air\_2m\_f) as avg\_min\_temp,avg(avg\_temperature\_air\_2m\_f) as avg\_temp from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_great\_britain\_postalcode\_daily where country='GB' group by 1;



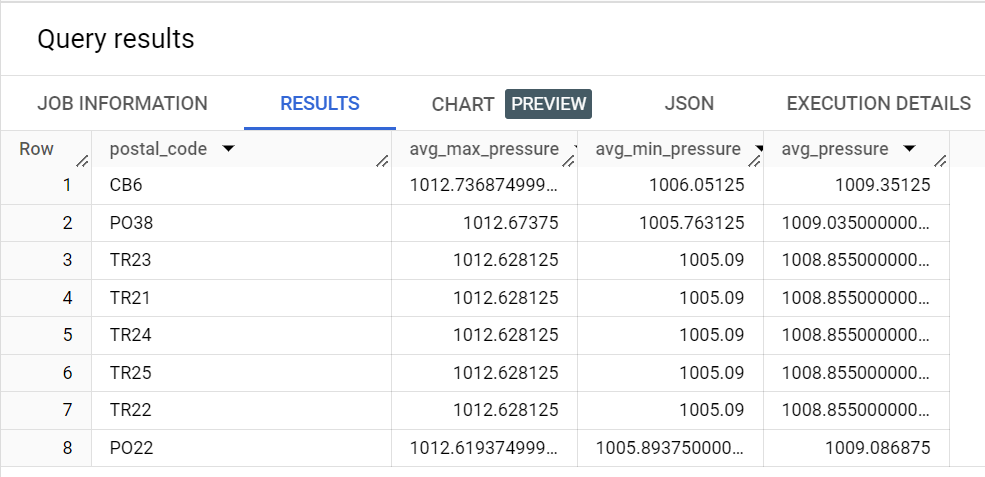
1. What all unique postal codes are included in data?

select distinct postal\_code from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_great\_britain\_postalcode\_daily;



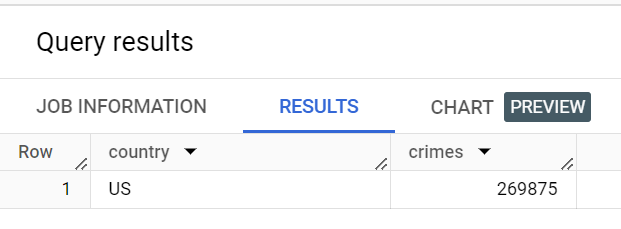
1. Find top 8 max pressure postal codes with max pressure, min pressure, avg\_pressure.

select  postal\_code, avg(max\_pressure\_2m\_mb) as avg\_max\_pressure,avg(min\_pressure\_2m\_mb)as avg\_min\_pressure,avg(avg\_pressure\_2m\_mb) as avg\_pressure from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_great\_britain\_postalcode\_daily group by postal\_code order by avg\_max\_pressure desc limit 8;



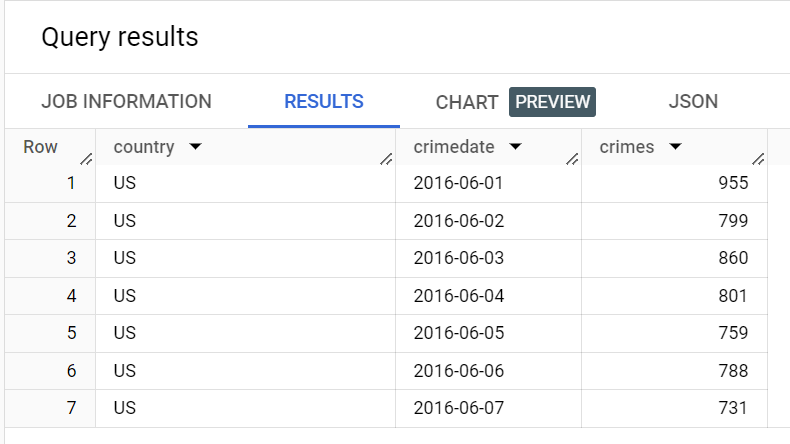
1. What are the total crimes in US.

select country, sum(num\_crimes) as crimes from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_and\_crime\_comparison\_chicago\_daily\_2016 where country = 'US' group by 1;



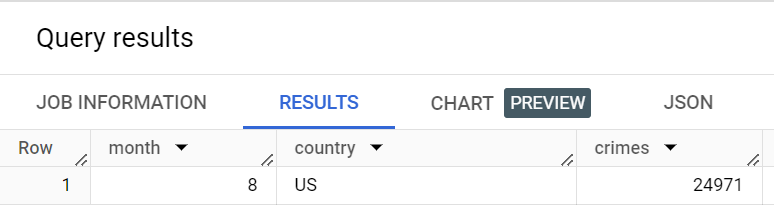
1. Get the crimes of first week of June in US.

select country,cast(date\_valid\_std as date) as crimedate, sum(num\_crimes) as crimes from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_and\_crime\_comparison\_chicago\_daily\_2016 where date\_valid\_std BETWEEN '2016-06-01' and '2016-06-07' group by 1,2 order by crimedate asc;



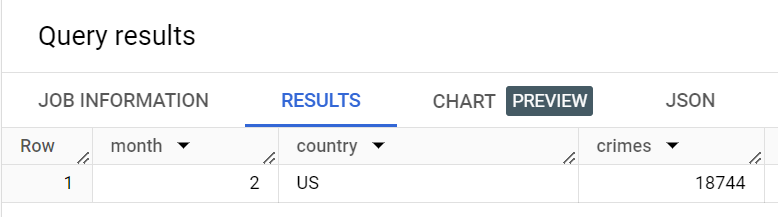
1. Which month has highest crimes in US.

select EXTRACT(month FROM date\_valid\_std ) AS month,country, sum(num\_crimes) as crimes from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_and\_crime\_comparison\_chicago\_daily\_2016 group by 1,2 order by crimes desc limit 1;



1. Which month has minimum crimes in US.

select EXTRACT(month FROM date\_valid\_std ) AS month,country, sum(num\_crimes) as crimes from weathersource-com.pub\_weather\_data\_samples.sample\_weather\_and\_crime\_comparison\_chicago\_daily\_2016 group by 1,2 order by crimes asc limit 1;



1. Use inner join to get all the common columns of both the dataset.

select \* from

weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_us\_zipcode\_daily a

inner join

weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_anomaly\_us\_zipcode\_daily b

on a.postal\_code=b.postal\_code and a.date\_valid\_std=b.date\_valid\_std



1. What is the average wind direction degree as per anomaly wind.

select a.postal\_code,a.date\_valid\_std as date,avg(avg\_wind\_direction\_10m\_deg) as wind\_direc, avg(avg\_wind\_speed\_10m\_anomaly\_mph) as anomaly\_windspeed from

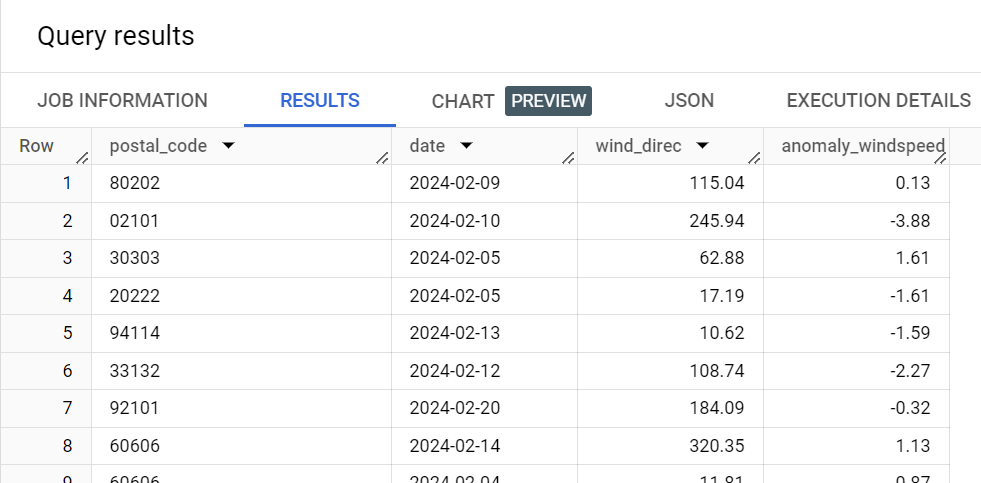
weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_us\_zipcode\_daily a

inner join

weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_anomaly\_us\_zipcode\_daily b

on a.postal\_code=b.postal\_code and a.date\_valid\_std=b.date\_valid\_std

group by 1,2



1. What are the min and max pressure for anomaly temperature?

select a.postal\_code,a.date\_valid\_std as date,avg(min\_pressure\_2m\_mb) as min\_pressure,avg(max\_pressure\_2m\_mb) as max\_pressure, avg(avg\_temperature\_anomaly\_air\_2m\_f) as anomaly\_temperature from

weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_us\_zipcode\_daily a

inner join

weathersource-com.pub\_weather\_data\_samples.sample\_weather\_forecast\_anomaly\_us\_zipcode\_daily b

on a.postal\_code=b.postal\_code and a.date\_valid\_std=b.date\_valid\_std

group by 1,2

