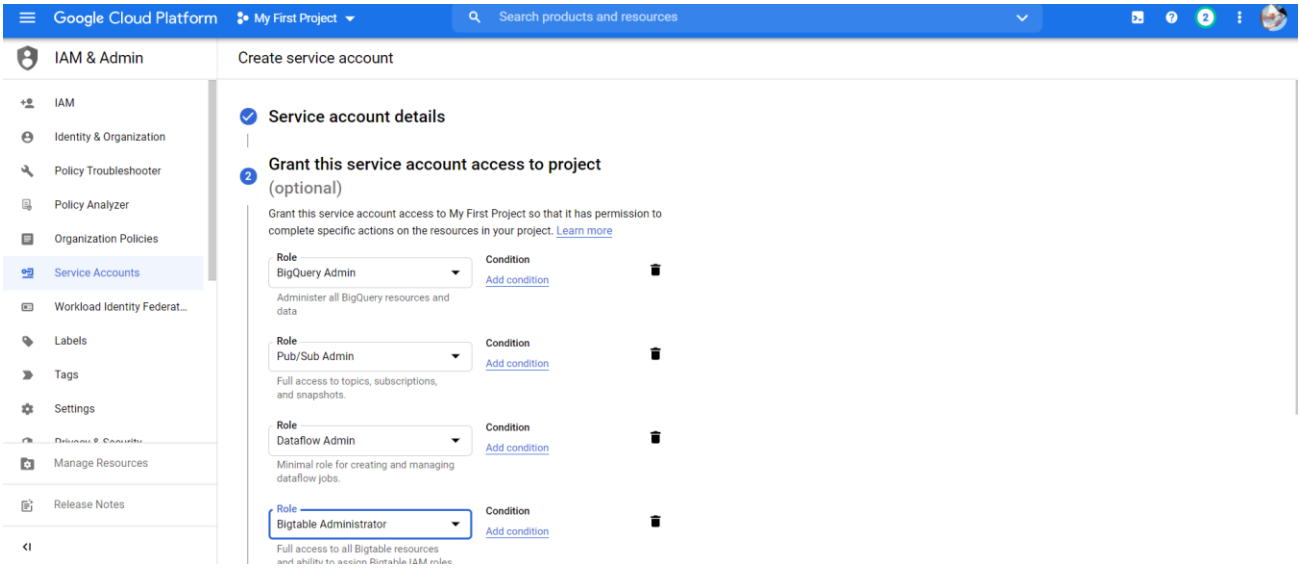
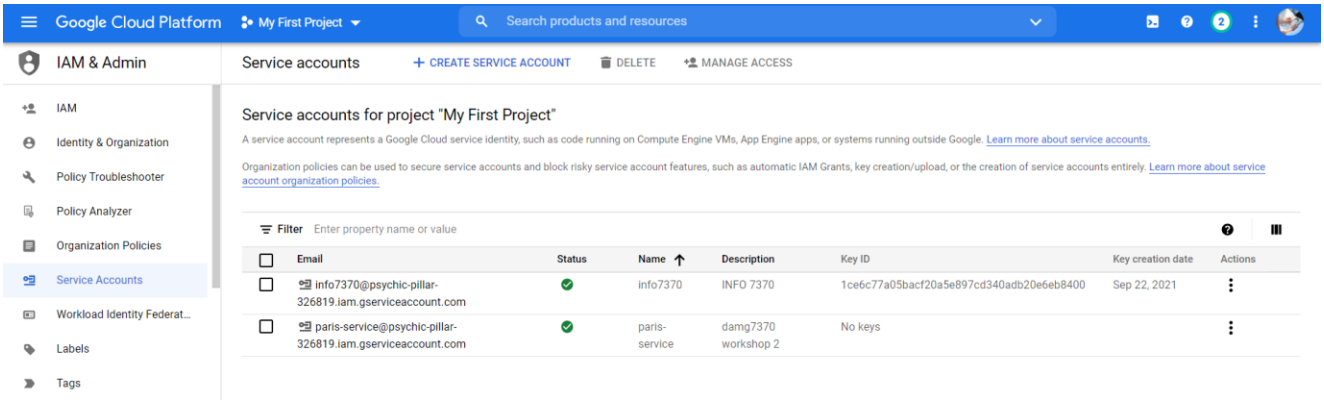
Workshop 09/24/2021

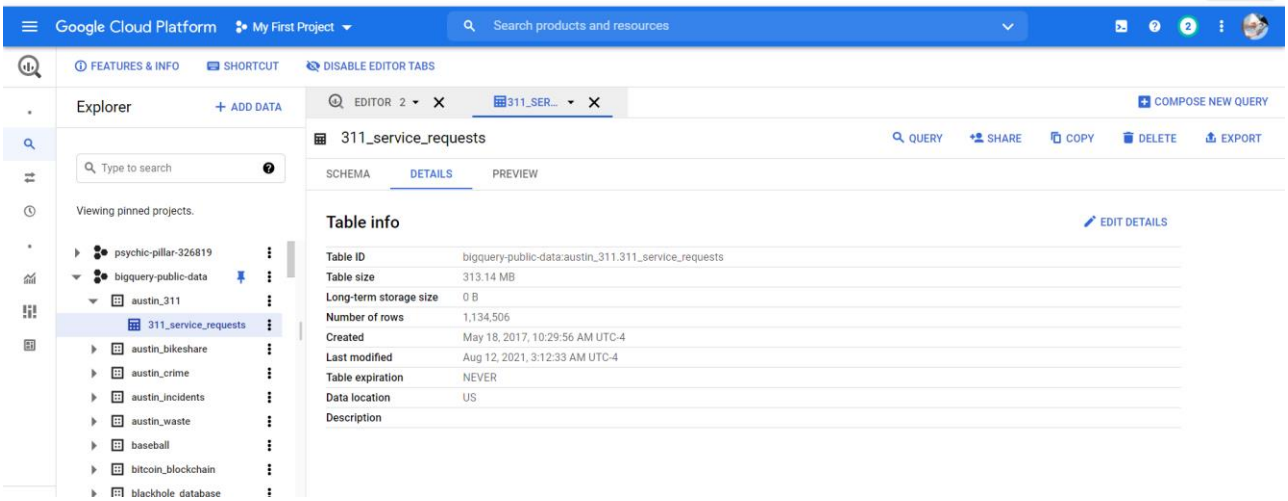
Creating IAM service account and giving necessary roles in Google Cloud Platform(GCP)



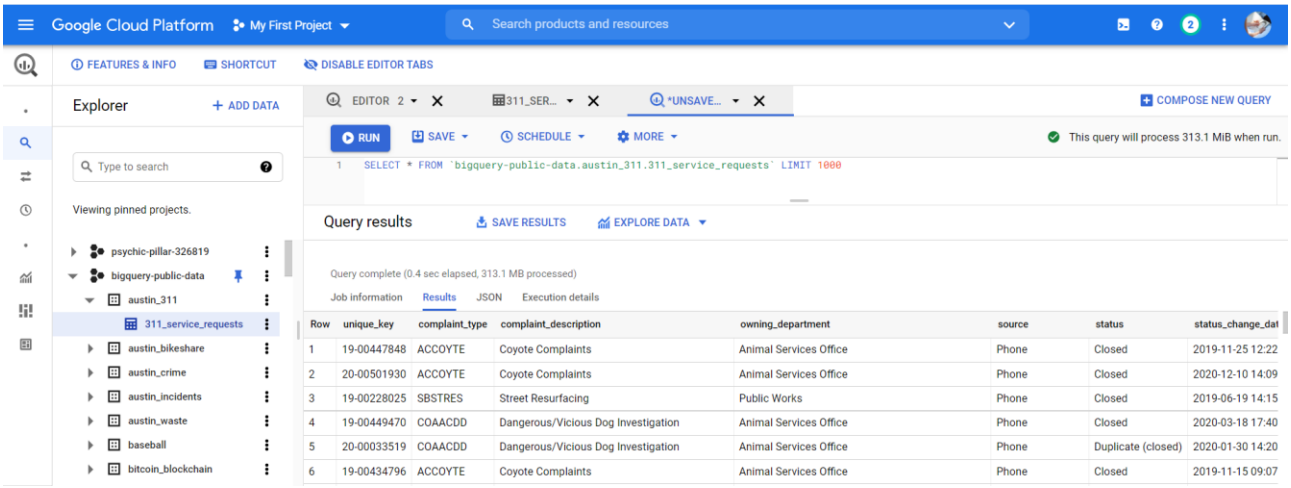
Successfully updated service accounts



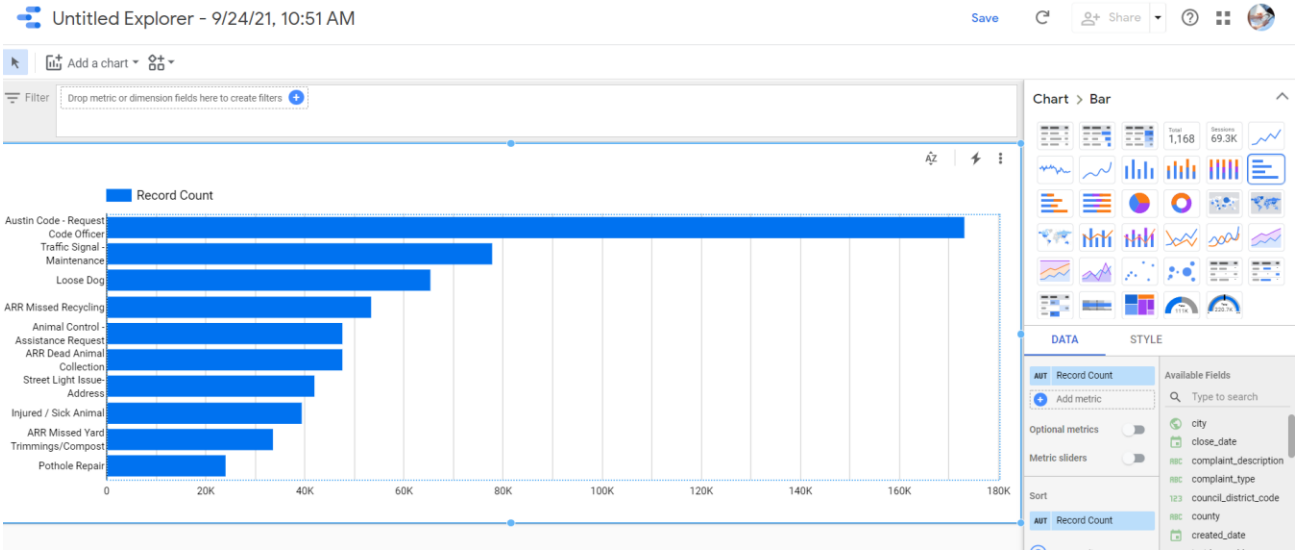
Adding Big query public datasets to the console



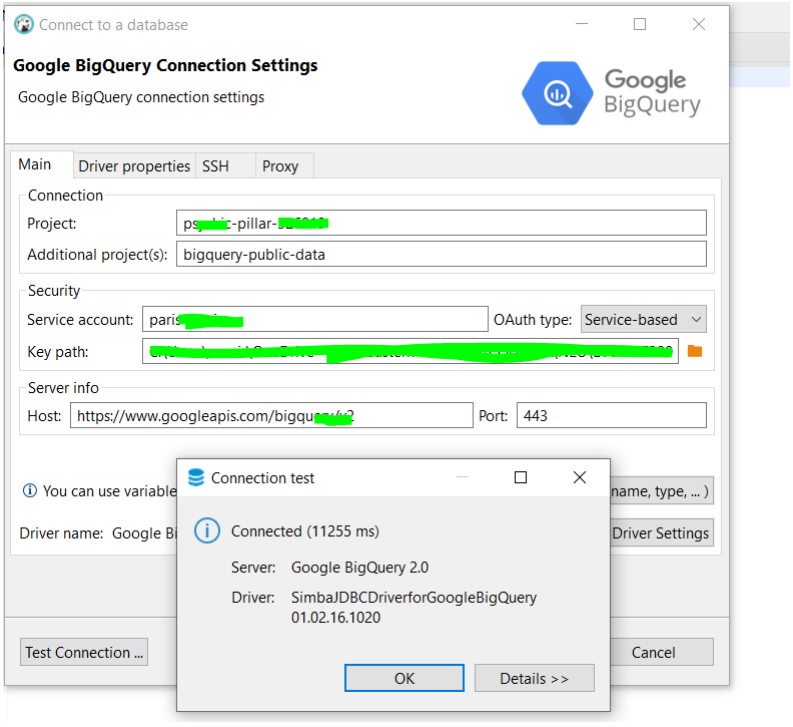
Querying public dataset in GCP



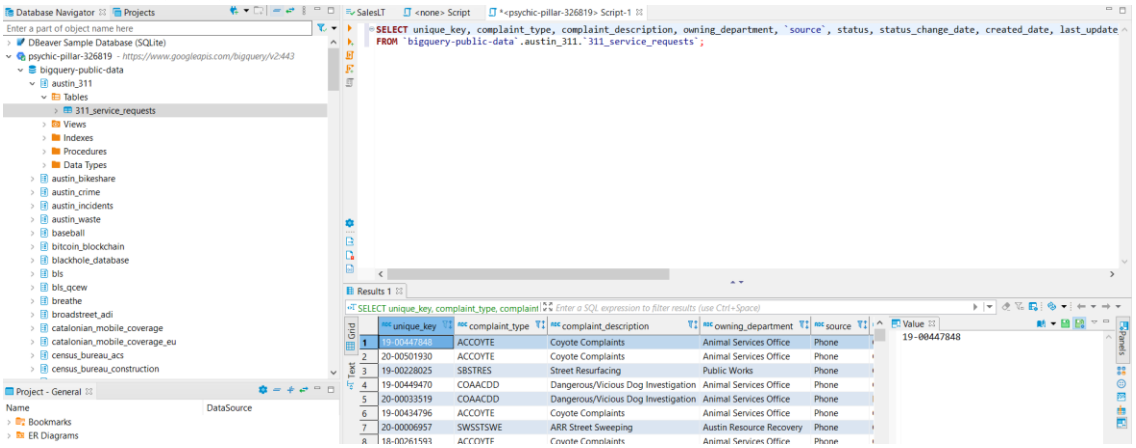
Connecting data studio to public data of big query in GCP and doing simple visualization



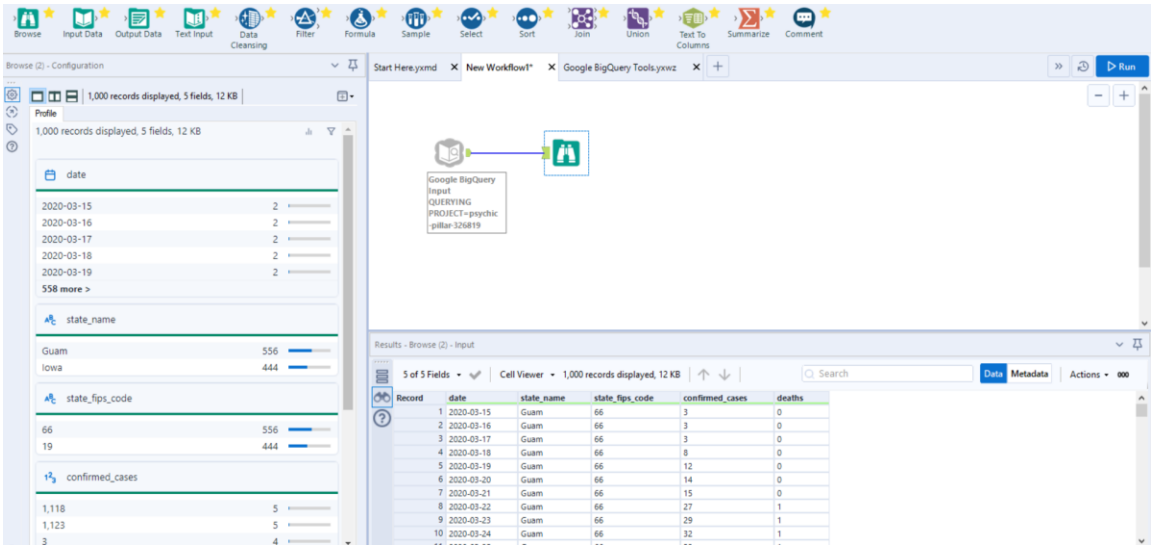
Connecting bigquery to dbeaver succesfully



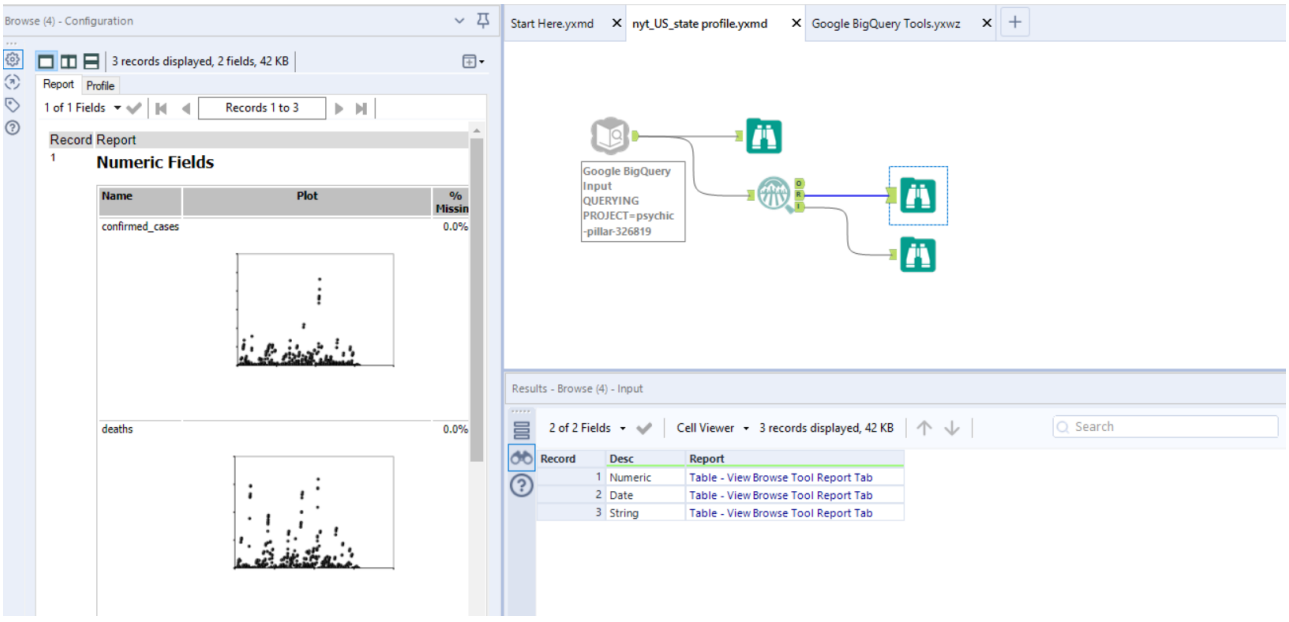
Connecting bigquery and reading data from GCP in Dbeaver



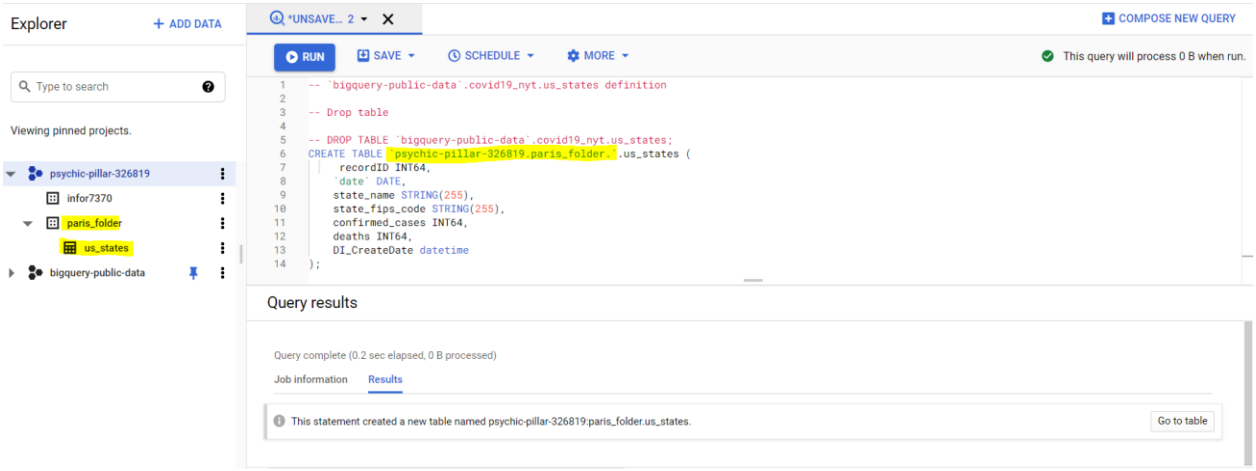
Connecting Big Query to alteryx and running a simple design



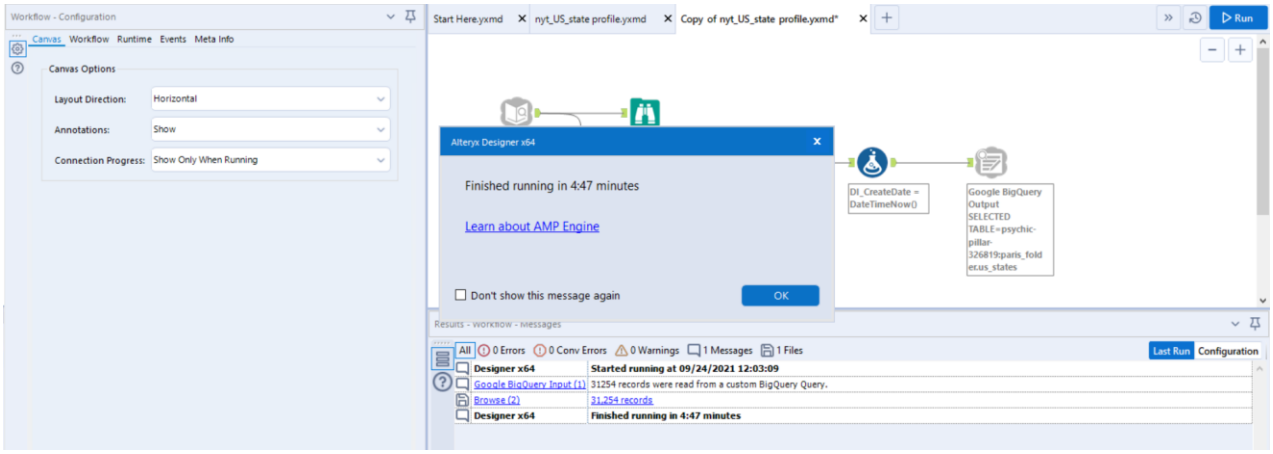
Design of data profile of nyt_us_states in alteryx



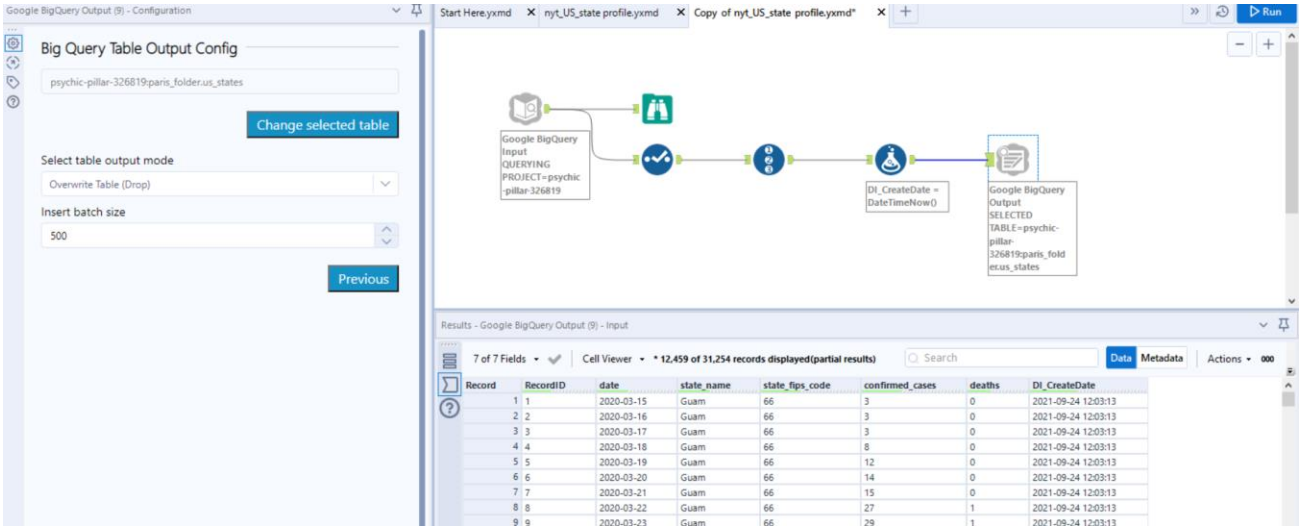
Created a new table in GCP SQL console



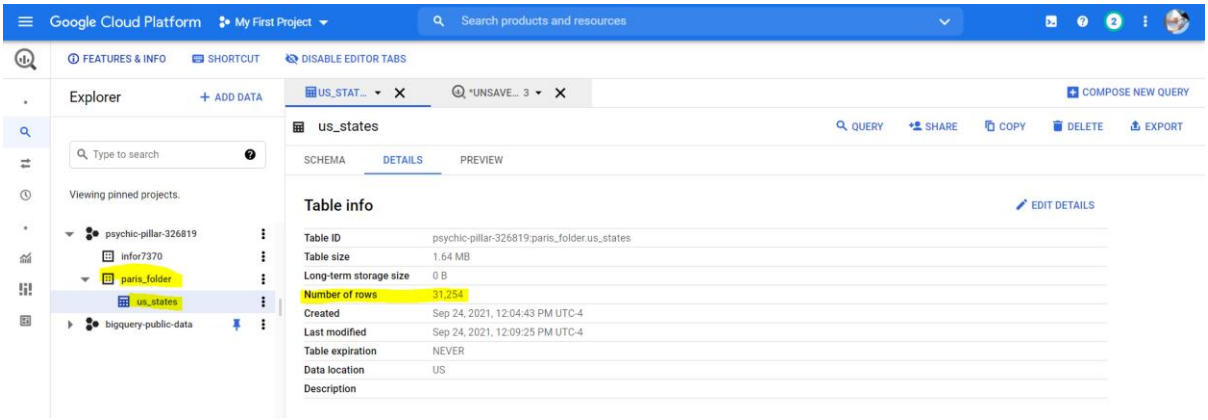
Running a design in alteryx using data preparation tools



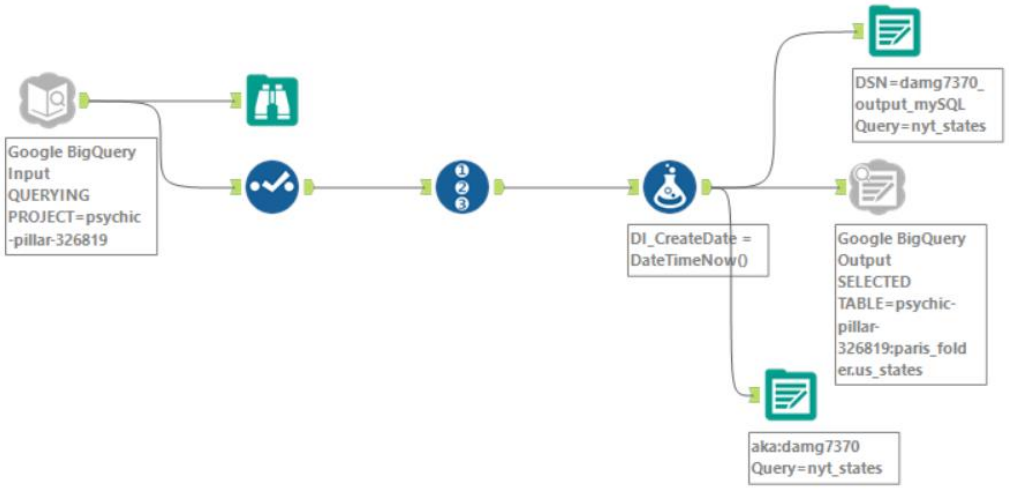
Viewing the output in alteryx application



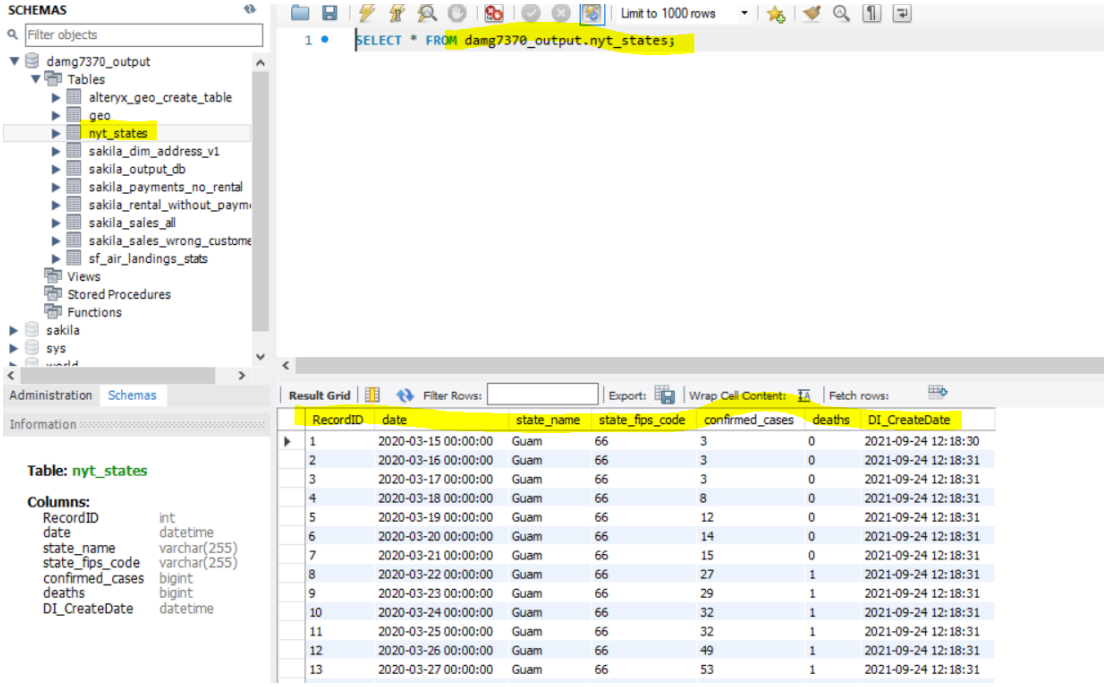
Created a new data base in google cloud and stored the output from alteryx into this new database



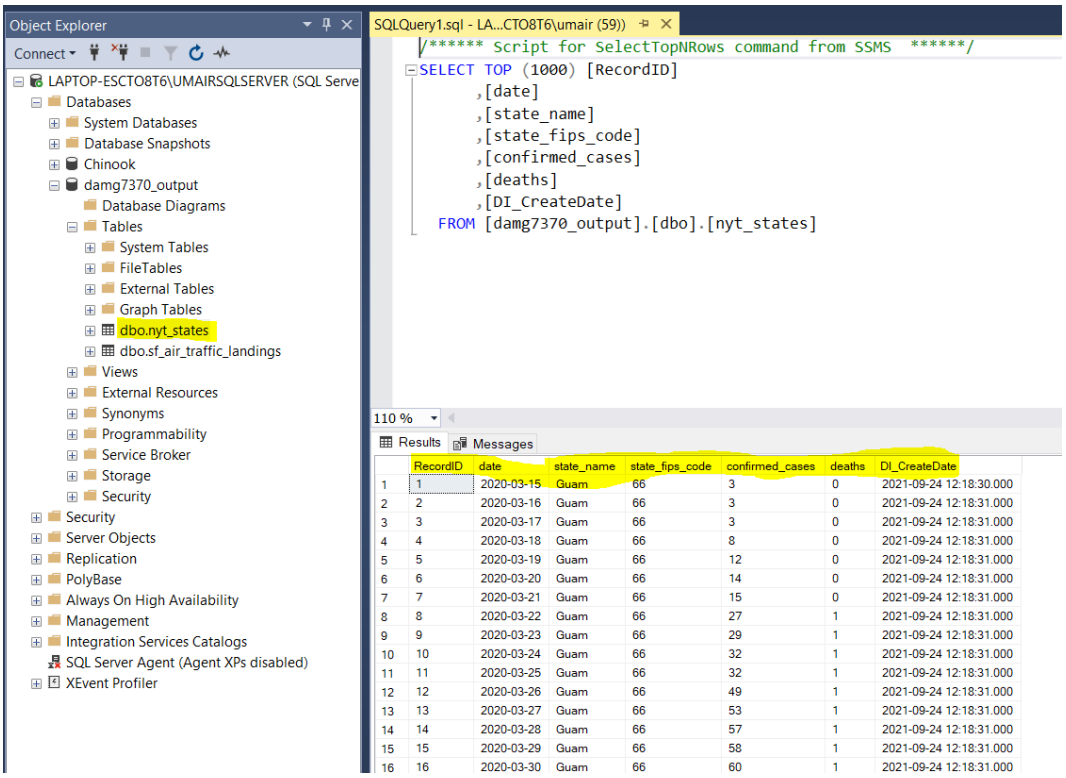
Design to store output in multiple database including MySQL, SQL server and Big Query



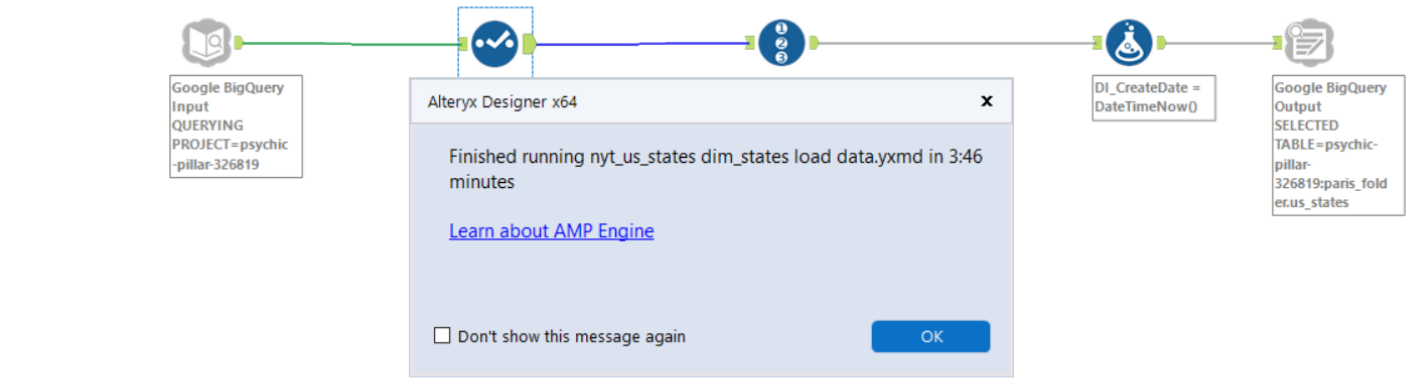
Reading the output of alteryx from MySQL workbench

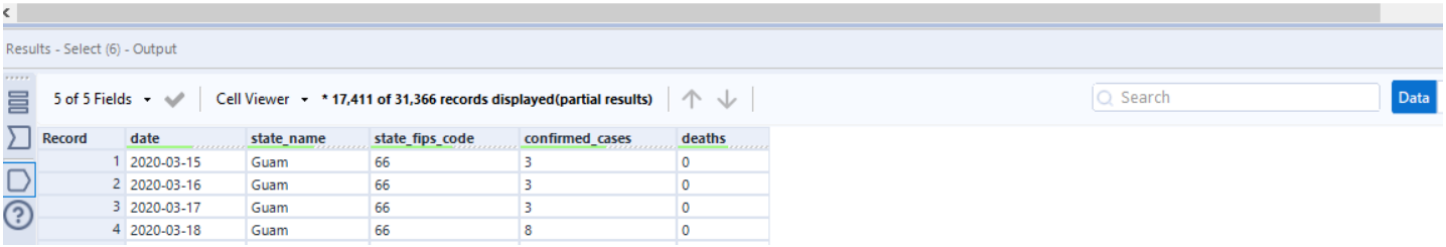


Reading the output of alteryx from SQL server



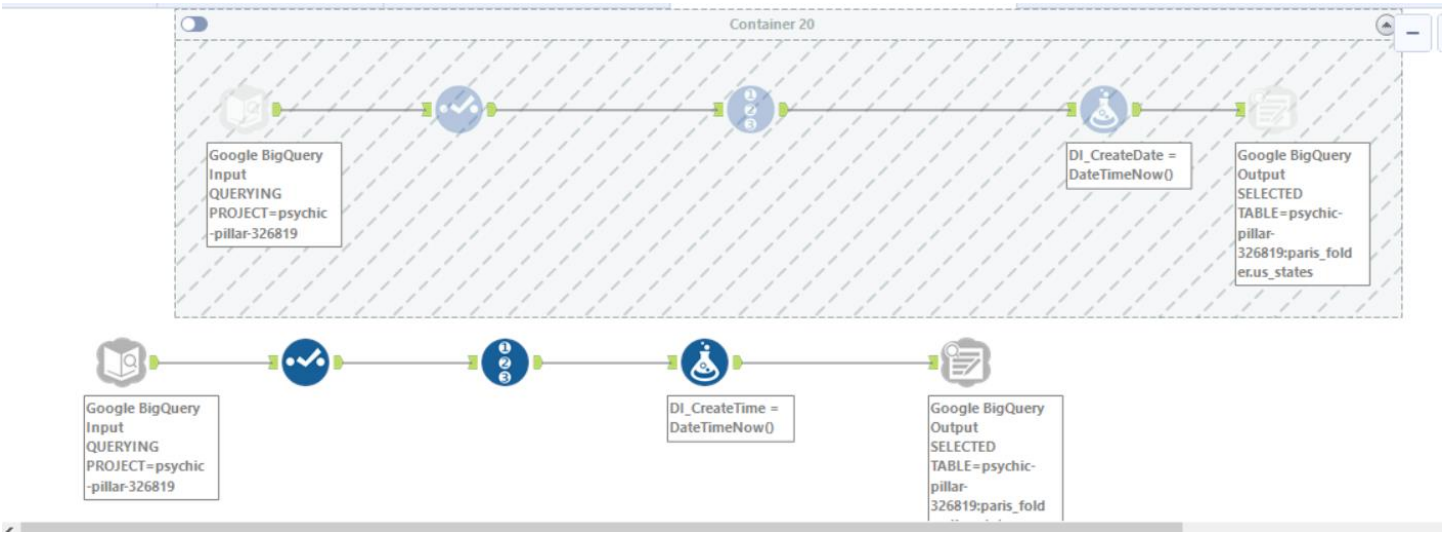
	RecordID	date	state_name	state_fips_code	confirmed_cases	deaths	DI_CreateDate
1	1	2020-03-15	Guam	66	3	0	2021-09-24 12:18:30.000
2	2	2020-03-16	Guam	66	3	0	2021-09-24 12:18:31.000
3	3	2020-03-17	Guam	66	3	0	2021-09-24 12:18:31.000
4	4	2020-03-18	Guam	66	8	0	2021-09-24 12:18:31.000
5	5	2020-03-19	Guam	66	12	0	2021-09-24 12:18:31.000
6	6	2020-03-20	Guam	66	14	0	2021-09-24 12:18:31.000
7	7	2020-03-21	Guam	66	15	0	2021-09-24 12:18:31.000
8	8	2020-03-22	Guam	66	27	1	2021-09-24 12:18:31.000
9	9	2020-03-23	Guam	66	29	1	2021-09-24 12:18:31.000
10	10	2020-03-24	Guam	66	32	1	2021-09-24 12:18:31.000
11	11	2020-03-25	Guam	66	32	1	2021-09-24 12:18:31.000
12	12	2020-03-26	Guam	66	49	1	2021-09-24 12:18:31.000
13	13	2020-03-27	Guam	66	53	1	2021-09-24 12:18:31.000
14	14	2020-03-28	Guam	66	57	1	2021-09-24 12:18:31.000
15	15	2020-03-29	Guam	66	58	1	2021-09-24 12:18:31.000
16	16	2020-03-30	Guam	66	60	1	2021-09-24 12:18:31.000



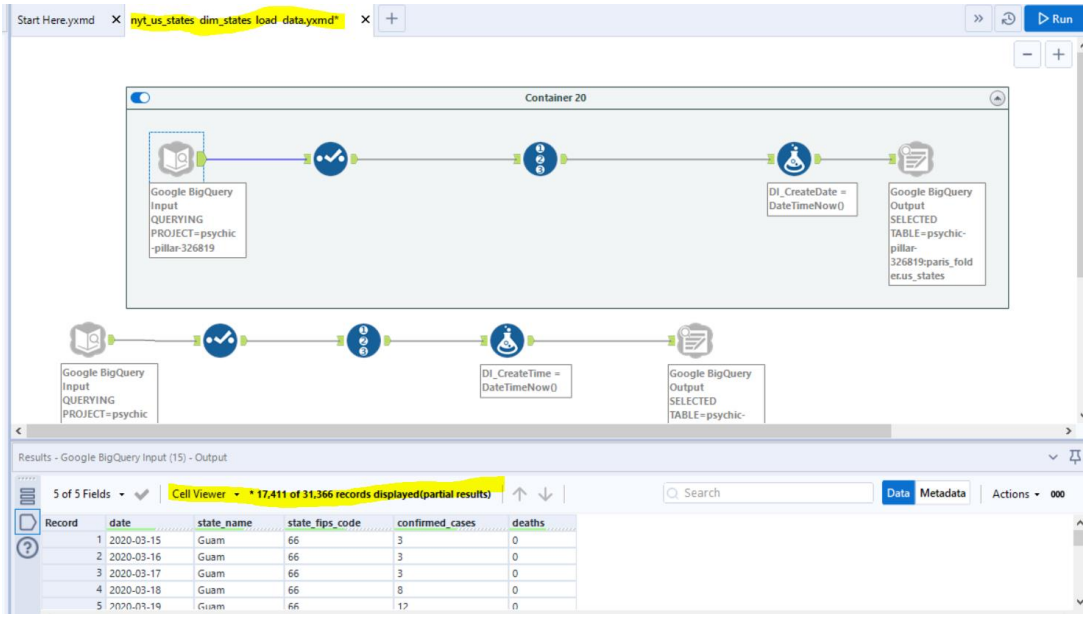


Record	date	state_name	state_fips_code	confirmed_cases	deaths
1	2020-03-15	Guam	66	3	0
2	2020-03-16	Guam	66	3	0
3	2020-03-17	Guam	66	3	0
4	2020-03-18	Guam	66	8	0

Containarizing to work on multiple workflows simultaneously in more efficient way



Running dimension table on Alteryx design



Dimension table in big query

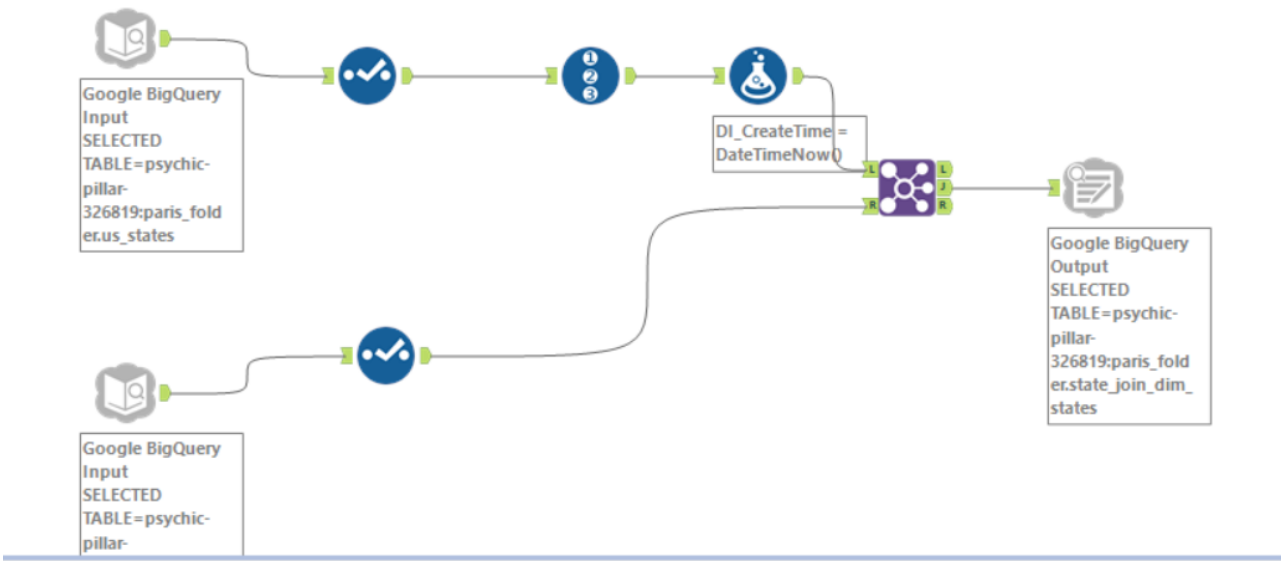
dim_states

SCHEMA | DETAILS | PREVIEW

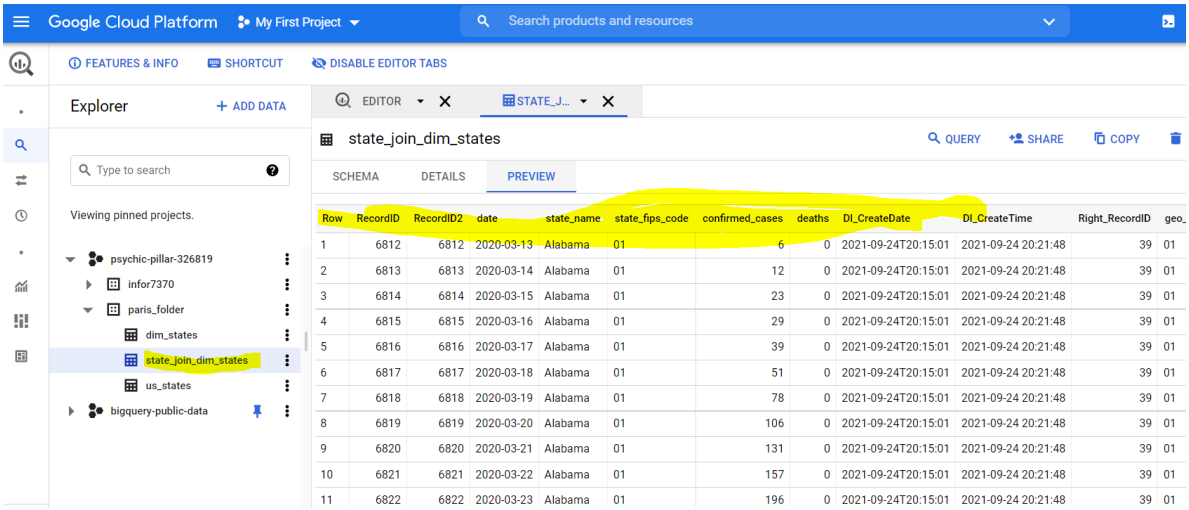
Table info

Table ID	psychic-pillar-326819:paris_folder.dim_states
Table size	5.4 KB
Long-term storage size	0 B
Number of rows	56
Created	Sep 24, 2021, 4:09:57 PM UTC-4
Last modified	Sep 24, 2021, 4:09:59 PM UTC-4
Table expiration	NEVER
Data location	US
Description	

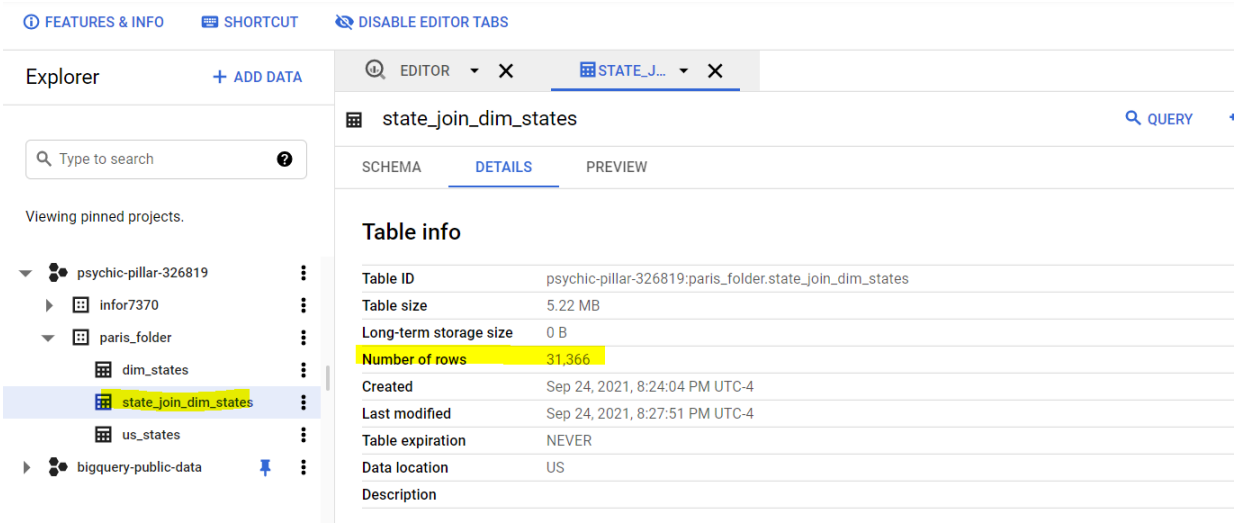
Design for joining fact table with dimension table



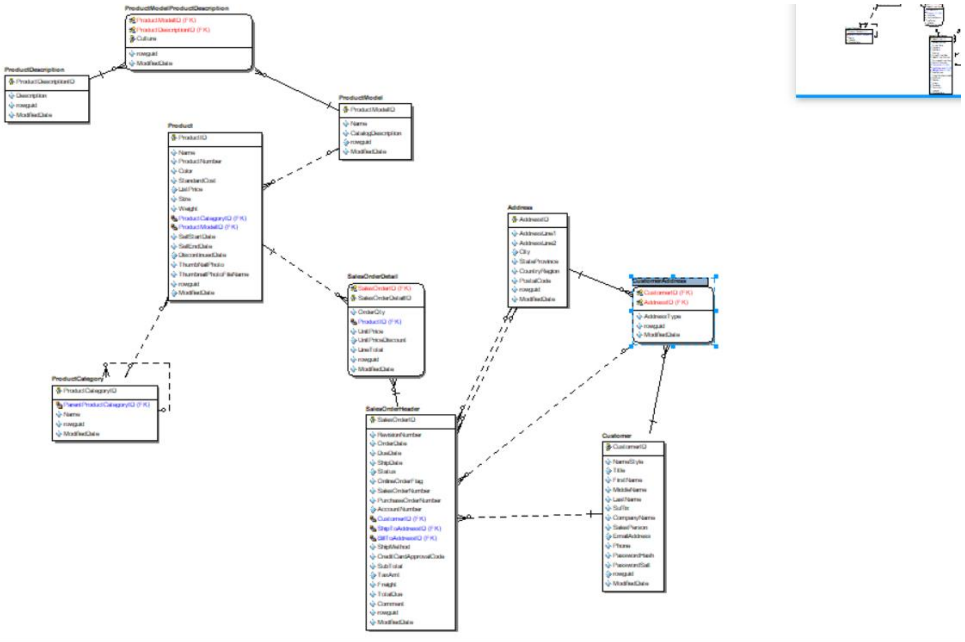
Out of above design in google bigquery



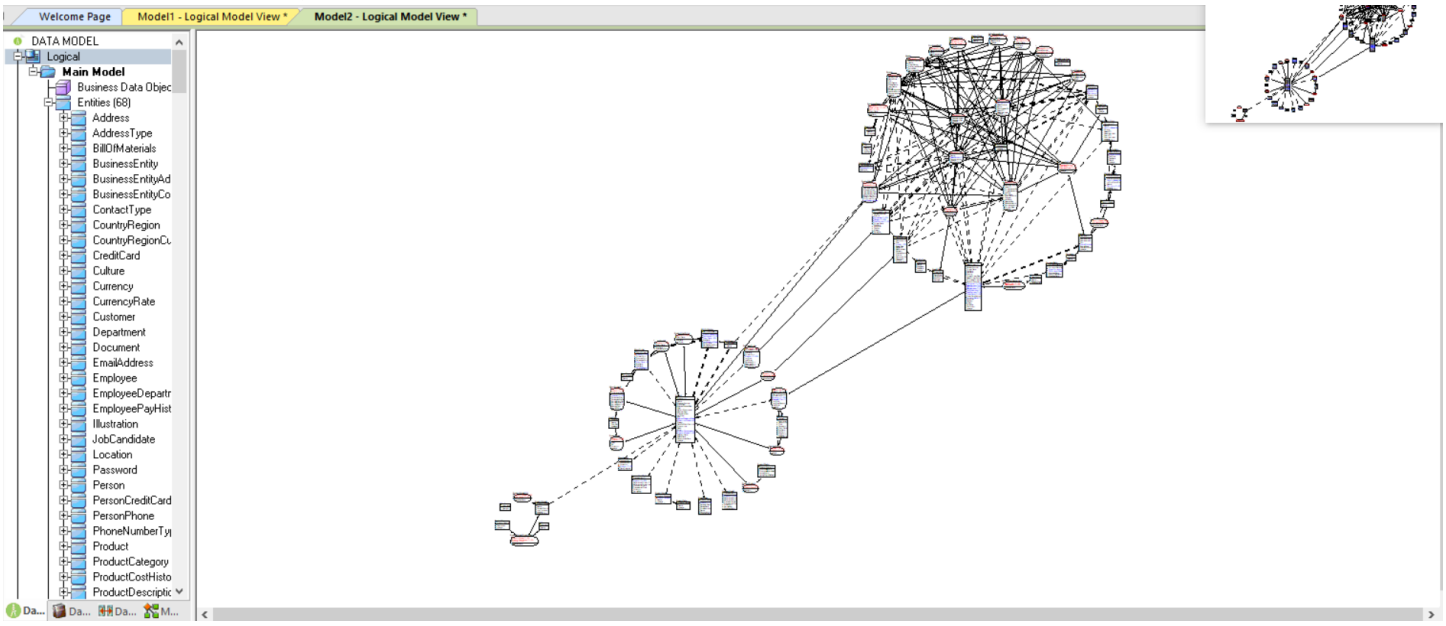
Row	RecordID	RecordID2	date	state_name	state_fips_code	confirmed_cases	deaths	DI_CreateDate	DI_CreateTime	Right_RecordID	geo_
1	6812	6812	2020-03-13	Alabama	01	6	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
2	6813	6813	2020-03-14	Alabama	01	12	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
3	6814	6814	2020-03-15	Alabama	01	23	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
4	6815	6815	2020-03-16	Alabama	01	29	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
5	6816	6816	2020-03-17	Alabama	01	39	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
6	6817	6817	2020-03-18	Alabama	01	51	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
7	6818	6818	2020-03-19	Alabama	01	78	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
8	6819	6819	2020-03-20	Alabama	01	106	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
9	6820	6820	2020-03-21	Alabama	01	131	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
10	6821	6821	2020-03-22	Alabama	01	157	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01
11	6822	6822	2020-03-23	Alabama	01	196	0	2021-09-24T20:15:01	2021-09-24 20:21:48	39	01



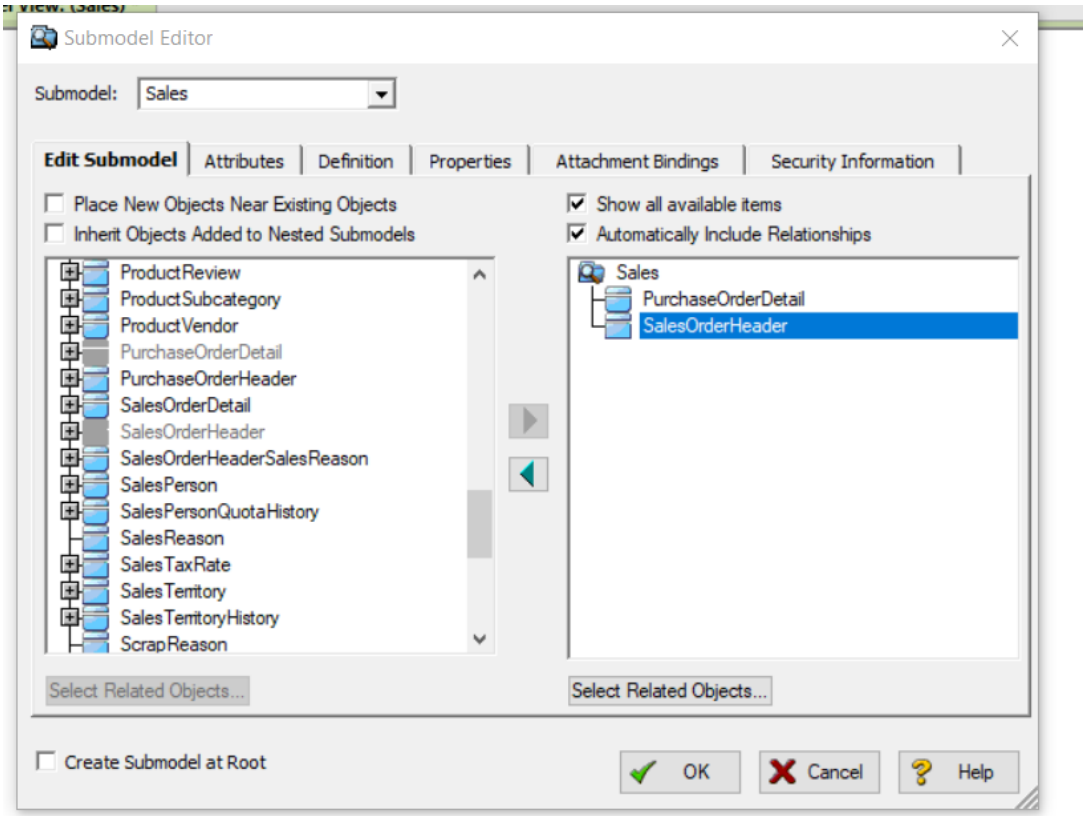
Reverse engineering model for adventureworksLT



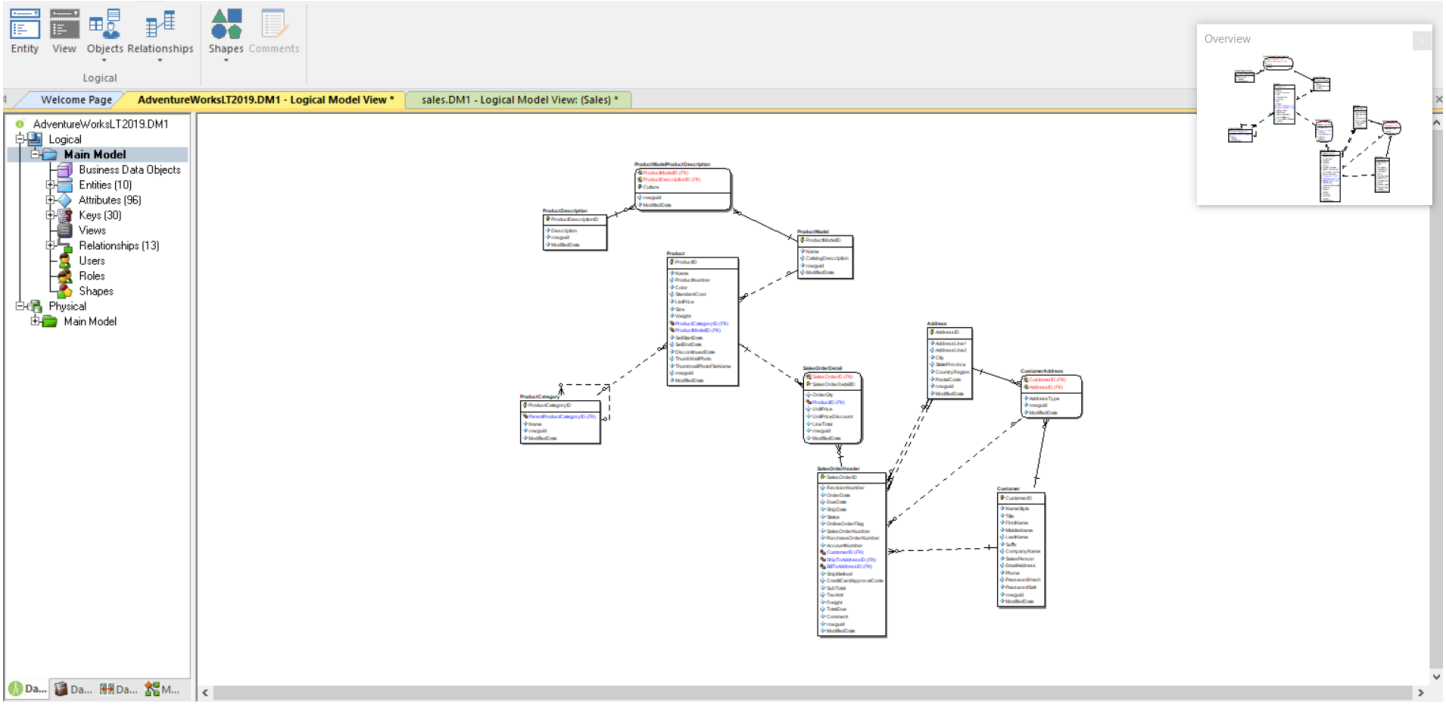
Reverse engineering adventureworks2019 in ER Studio



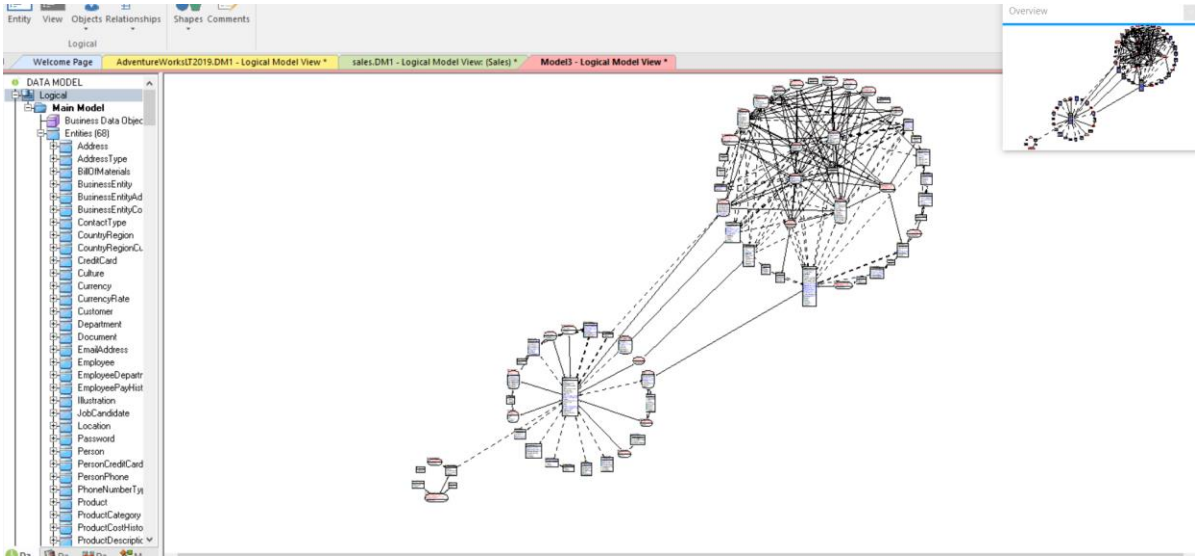
Creating sub model of sales



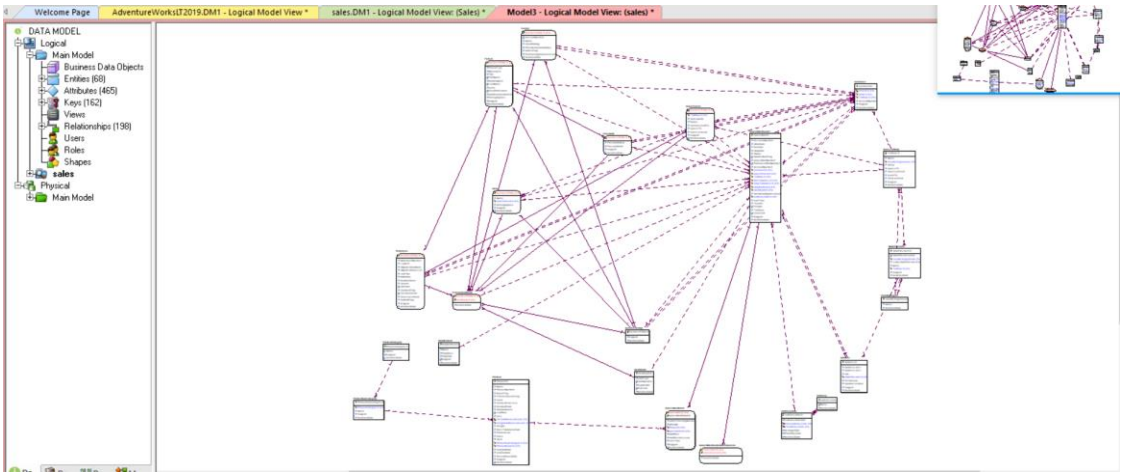
AdventureWorksLT2019 in ER Studio



Full adventureWorks2019 in ER Studio

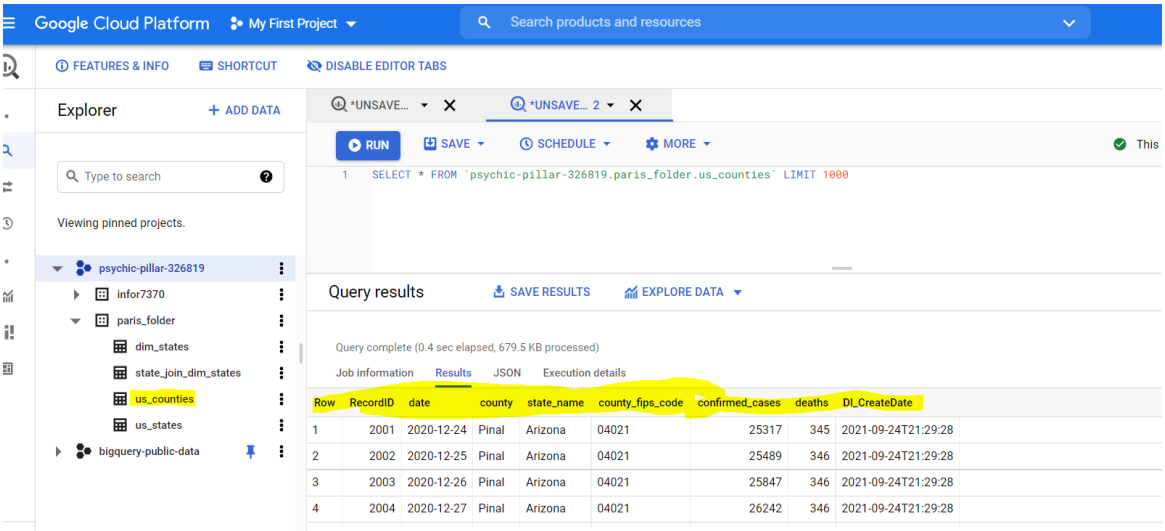


Sales sub model from AdventureWorks2019 in ER studio

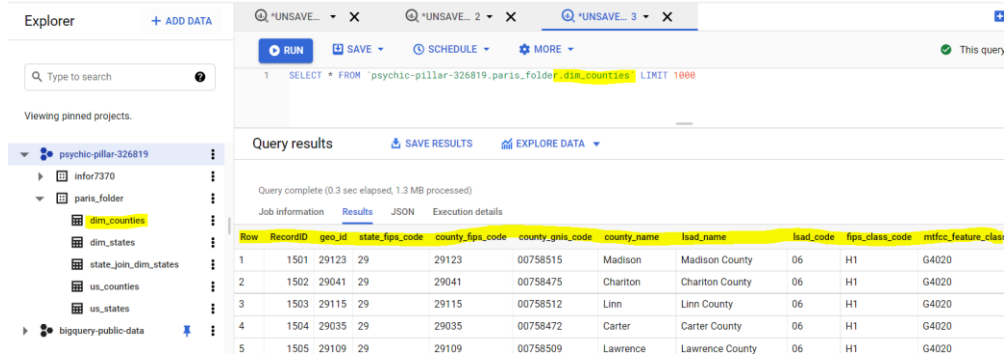


Deign of counties in alteryx

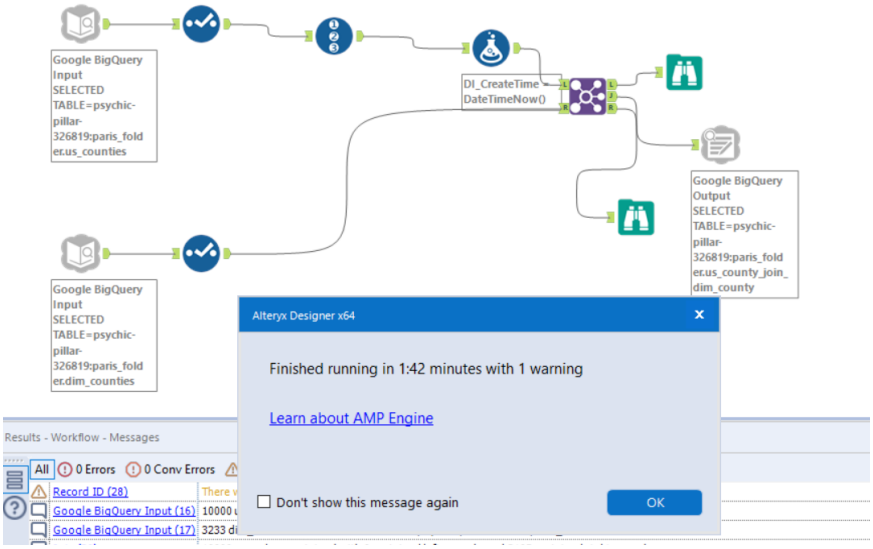
Counties in GCP



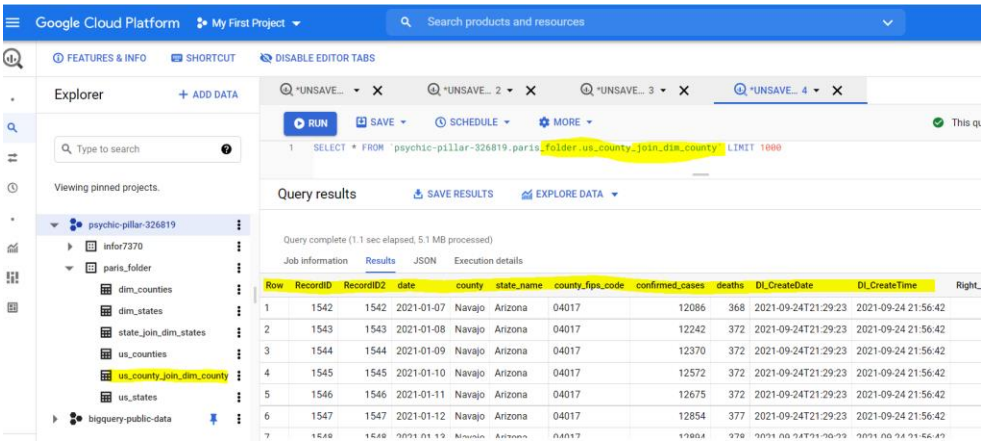
Dimension county in GCP



County fact joining county dimension



County fact join county dim table in gcp



END