

bqworkshop

September 16, 2016

```
In [1]: import pandas as pd
        from pandas.io import gbq
        project_id = "inductive-seat-143318"
        query1= """SELECT station_number,mean_temp,mean_dew_point,hail
                   FROM [bigquery-public-data:samples.gsod]
                   WHERE year = 2000 AND
                   hail = true"""
        query1_res= gbq.read_gbq(query1, project_id, reauth=True)
```

Your browser has been opened to visit:

<https://accounts.google.com/o/oauth2/auth?scope=https%3A%2F%2Fwww.googleapis.com>

If your browser is on a different machine then exit and re-run this application with the command-line parameter

```
--noauth_local_webserver
```

```
Authentication successful.
Requesting query... ok.
Query running...
Query done.
Cache hit.
```

```
Retrieving results...
```

```
Got page: 1; 44.0% done. Elapsed 8.82 s.
Got page: 2; 87.0% done. Elapsed 16.04 s.
Got page: 3; 100.0% done. Elapsed 18.85 s.
Got 201053 rows.
```

```
Total time taken 24.2 s.
Finished at 2016-09-15 11:12:35.
```

```
In [2]: print query1_res
```

	station_number	mean_temp	mean_dew_point	hail
0	29420	41.099998	36.599998	True

1	246390	-36.799999	-42.099998	True
2	37760	47.500000	45.500000	True
3	725200	48.500000	46.599998	True
4	161340	26.400000	20.200001	True
5	726185	71.800003	63.799999	True
6	696664	29.200001	29.100000	True
7	723940	53.000000	44.799999	True
8	679830	60.099998	57.900002	True
9	30630	62.599998	52.799999	True
10	723095	68.199997	64.400002	True
11	407100	39.799999	35.599998	True
12	724075	38.299999	32.599998	True
13	726579	40.000000	39.299999	True
14	719485	-6.300000	-10.500000	True
15	26200	48.200001	47.000000	True
16	722014	78.699997	66.800003	True
17	569860	48.599998	39.000000	True
18	156130	34.400002	NaN	True
19	696894	30.100000	29.000000	True
20	700637	42.000000	36.200001	True
21	726550	66.500000	58.500000	True
22	876450	69.800003	55.500000	True
23	719143	47.700001	42.099998	True
24	162190	29.500000	26.900000	True
25	765390	57.599998	42.099998	True
26	726987	37.799999	35.200001	True
27	62700	43.200001	38.500000	True
28	101220	40.900002	38.200001	True
29	101260	40.599998	38.799999	True
...
201023	782550	76.800003	70.800003	True
201024	703950	45.599998	43.799999	True
201025	703080	33.000000	29.100000	True
201026	142460	34.799999	33.799999	True
201027	61830	39.200001	NaN	True
201028	152000	29.400000	29.000000	True
201029	726185	36.900002	31.799999	True
201030	727750	16.100000	12.200000	True
201031	477300	49.599998	48.700001	True
201032	767383	82.599998	78.599998	True
201033	723146	65.500000	63.000000	True
201034	725867	25.400000	23.799999	True
201035	471190	79.000000	71.800003	True
201036	156270	8.100000	5.900000	True
201037	151080	41.299999	NaN	True
201038	726196	28.400000	24.100000	True
201039	578450	68.099998	64.500000	True
201040	723106	65.300003	53.400002	True

201041	727857	37.700001	34.299999	True
201042	722583	54.099998	52.500000	True
201043	151450	30.200001	28.700001	True
201044	725640	61.400002	56.099998	True
201045	724955	51.200001	49.400002	True
201046	723096	79.500000	75.400002	True
201047	724935	51.400002	48.200001	True
201048	77470	70.900002	66.800003	True
201049	724760	42.500000	29.200001	True
201050	726457	70.699997	63.700001	True
201051	370008	66.599998	58.700001	True
201052	724463	63.099998	60.900002	True

[201053 rows x 4 columns]