

BigQuery LAB2

File Trucks: sum miles and fuel for 2013 :

```
SELECT truckid, driverid,  
(jun13_miles+may13_miles+apr13_miles+mar13_miles+feb13_miles+jan13_miles)Miles2013,  
(jun13_gas+may13_gas+apr13_gas+mar13_gas+feb13_gas+jan13_gas)Gas2013, model Automodel  
FROM `PirmaBaze.Trucks` order by truckId
```

Run Save query Save view Sched

Query results

SAVE RESULTS

EXPLORE

Query complete (1.1 sec elapsed, 11.3 KB processed)

Job information Results JSON Execution details

Row	truckid	driverid	Miles2013	Gas2013	Automodel
1	A1	A1	62440	12550	Freightliner
2	A10	A10	73425	14295	Peterbilt
3	A100	A100	76015	15105	Peterbilt
4	A11	A11	81076	17162	Peterbilt
5	A12	A12	73205	14550	Caterpillar
6	A13	A13	75388	15344	Oshkosh
7	A14	A14	65032	12359	Crane
8	A15	A15	64552	13496	Ford
9	A16	A16	65293	13151	Navistar
10	A17	A17	74526	14853	Western Star

2. Average speed and number of street events for each driver: file geolocation

```
Select driverId, round(avg(velocity),2)Avg_Velocity, sum(event_ind)EventSum from `PirmaBaze.Geo` group  
by driverId order by Avg_Velocity;
```

Run
Save query
Save view

Query results
SAVE RESULTS

Query complete (1.0 sec elapsed, 163.4 KB processed)

Job information **Results** JSON Execution details

Row	driverId	Avg_Velocity	EventSum
1	A63	29.62	3
2	A35	30.21	9
3	A100	30.36	4
4	A44	31.09	7
5	A79	31.2	1
6	A72	31.25	5
7	A88	31.44	5
8	A2	31.46	1
9	A30	31.46	4
10	A10	31.76	6

3. About the driver: miles, fuel, events and Average speed

```

SELECT t.truckid, t.driverid, t.Miles2013, t.Gas2013, t.Automodel, g.Avg_Velocity, g.EventSum
FROM `PirmaBaze.Lab2_Tab1` t JOIN (Select driverId, Avg_Velocity, EventSum FROM
`PirmaBaze.Lab2_Tab2`) g ON(t.driverid=g.driverid) order by driverid;

```

Query results [SAVE RESULTS](#) [EXPLORE WITH DATA STUDIO](#)

Query complete (1.6 sec elapsed, 5.5 KB processed)

Job information [Results](#) JSON Execution details

Row	truckid	driverid	Miles2013	Gas2013	Automodel	Avg_Velocity	EventSum
1	A1	A1	62440	12550	Freightliner	37.45	3
2	A10	A10	73425	14295	Peterbilt	31.76	6
3	A100	A100	76015	15105	Peterbilt	30.36	4
4	A11	A11	81076	17162	Peterbilt	33.84	5
5	A12	A12	73205	14550	Caterpillar	35.3	5
6	A13	A13	75388	15344	Oshkosh	40.46	4
7	A14	A14	65032	12359	Crane	35.33	6
8	A15	A15	64552	13496	Ford	34.3	6
9	A16	A16	65293	13151	Navistar	35.39	3
10	A17	A17	74526	14853	Western Star	34.11	3

4. Tool Data Studio : diagram for miles and fuel

