select \* FROM (

select town\_name,

operator,

avg(speed) as Average\_Speed,

row\_number() over (partition by town\_name order by avg(speed) desc) as operator\_rank

FROM `bigquery-public-data.catalonian\_mobile\_coverage\_eu.mobile\_data\_2015\_2017`

group by town\_name,operator)

where operator\_rank <= 5 and operator is not null and town\_name is not null

SELECT operator,DATE,precission,

avg(precission) over ( PARTITION BY operator order by DATE ROWS UNBOUNDED PRECEDING) as cumulative\_average\_by\_operator,

FROM `bigquery-public-data.catalonian\_mobile\_coverage\_eu.mobile\_data\_2015\_2017`

WHERE operator is not null AND activity="IN\_VEHICLE" AND EXTRACT(YEAR FROM DATE)=2016