This query is supposed to return some metrics to give more insights on the total orders and more details on the daily sales, like on a given date, what product categories made more revenues and what percentage of the daily revenue was generated by them, how many orders were received by how many customers.

I have used CTEs, mostly, to reduce code redundancy, add reusability and avoiding the subqueries as much as possible. I have, also, added extensive comments on the code.

I tested the query for several scenarios like having only one order or having sold less than 3 product categories in a day. But I am still wondering what other edge cases could be there for testing the query.

Using the sample datasets, I believe the performance is good, however, I would like to know if I could improve it or how big would be the size of the real data.

Is this going to be a one-purpose report or will be reused or whether we need to parameterize it.

Any second opinions about any parts of the query or the above questions are welcome ☺