Product Analyst Role – Assignment

**SQL Queries**

Description: When a driver doesn’t follow our given route, we detect it as an ‘off route recalculation event’. We’d like to understand how often this happens during our rides.

You were asked to extract the following KPI:

**% Rides (of total) per ‘offroute bin’**

* *Bins: 0-2 offroutes, 3-6 offroutes, 7-10 offroutes, 11+ offroutes*
* *Exclude noise (rides that are too short or too long)*

Attached: 2 tables:

* [ride\_data] (One record per ride)
* [offroute\_recalculation] (A record represents an offroute event for a van)

Question:

Provide an SQL query you would use in order to extract this KPI.

Output structure:

|  |  |
| --- | --- |
| Offroute Bin (per ride) | %\_of\_Rides |
| 0-2 | 40% |
| 3-6 | 30% |
| 7-10 | 25% |
| 11+ | 5% |

Comments:

* Timestamps are in ‘epoch’ format
* If needed – provide thorough explanations of what you would’ve done