**DataMart Creation on tutorial.flights on mode.com**​

**The output should contain all the attributes as different columns in the datamart created**​  
​

Create a DataMart at airline level with different features like​

1. Total Number of flights​
2. Total Number of delayed flights (Based on arrival delay)​
3. Percentage of delayed flightsS​
4. Total Number of cancelled flights (All reasons)​
5. Percentage of cancelled flights​
6. Give Rank number to each airline based on percentage of delayed flights​
7. Give Rank number to each airline based on number of destinations it covers​
8. Add additional features which can help understand airlines better based on their performance​

Table

Description automatically generatedTable

Description automatically generated with low confidence

SELECT

airline\_name,

COUNT(DISTINCT flight\_number) AS total\_flights,

COUNT (CASE WHEN arrival\_delay < 0 THEN 1 END) AS delayed\_flights,

(COUNT(CASE WHEN arrival\_delay < 0 THEN 1 END) \* 100) / COUNT(\*) AS percentage\_delayed\_flights,

COUNT(CASE WHEN was\_cancelled = true THEN 1 END) AS cancelled\_flights,

(COUNT(CASE WHEN was\_cancelled = true THEN 1 END) \* 100)/count(\*) AS percentage\_cancelled\_flights,

DENSE\_RANK() OVER (ORDER BY (COUNT(CASE WHEN arrival\_delay < 0 THEN 1 END) \* 100 / COUNT(\*)) DESC) AS delay\_rank,

DENSE\_RANK() OVER (ORDER BY COUNT(DISTINCT destination\_airport) DESC) AS destination\_rank,

AVG( late\_aircraft\_delay) AS avg\_late\_aircraft\_delay

FROM

tutorial.flights

GROUP BY

airline\_name

ORDER BY

avg\_late\_aircraft\_delay;