WITH CTE\_flights AS (

SELECT

airline\_name,

COUNT(DISTINCT flight\_number) AS no\_of\_flights,

COUNT(flight\_number) AS no\_of\_trips,

COUNT(

CASE

WHEN arrival\_delay > 0 THEN TRUE

ELSE NULL

END

) AS no\_delayed\_flights,

(

COUNT(

CASE

WHEN arrival\_delay > 0 THEN TRUE

ELSE NULL

END

)

) \* 100 / count(\*) AS percentage\_of\_delayed\_flights,

COUNT(

CASE

WHEN was\_cancelled = TRUE THEN TRUE

ELSE NULL

END

) AS no\_of\_cancelled\_flights,

(

COUNT(

CASE

WHEN was\_cancelled = TRUE THEN TRUE

ELSE NULL

END

) \* 100

) / count(\*) AS percentage\_of\_cancelled\_flights,

COUNT(DISTINCT destination\_airport) AS no\_of\_destinations\_covered

FROM

tutorial.flights

GROUP BY

airline\_name

)

SELECT

airline\_name,

no\_of\_flights,

no\_of\_trips,

no\_delayed\_flights,

percentage\_of\_delayed\_flights,

no\_of\_cancelled\_flights,

percentage\_of\_cancelled\_flights,

no\_of\_destinations\_covered,

dense\_rank() over(

ORDER BY

percentage\_of\_delayed\_flights DESC

) AS rank\_by\_delayed\_percentage,

dense\_rank() over(

ORDER BY

no\_of\_destinations\_covered DESC

) AS rank\_by\_destinations\_covered

FROM

cte\_flights

ORDER BY

airline\_name;

A screenshot of a computer

Description automatically generated