Debugging Challenges

1. Incorrect DAX Measure for Late Shipments Calculation

A Power BI report has a flawed DAX measure for calculating the percentage of late shipments:

 LateShipmentPct =COUNTROWS(Shipments[Status] = "Delayed") / COUNTROWS(Shipments)

Question:

 • Is this formula correct? If not, explain why and provide a corrected version.

Answer:

Yes, this Dax measure is wrong because it will provide the value a true or false not divide the that we required. It also returns the value as ERROR.

So correct answer is:

LateShipmentPct = DIVIDE(CALCULATE(shipments), shipment[Status] = 'Delayed'), COUNTROWS(Shipments))

2. Incorrect Relationship in Power BI Model

The Power BI model incorrectly links Orders and Shipments tables through the Warehouse ID instead of Order ID.

 Question:

 • Why is this incorrect? How would you correct the relationship?

Answer:

Linking the Orders and Shipments tables through Warehouse ID is incorrect because:

* A single Warehouse handles many different orders.
* And it will create the many to many relationships which is ambiguous and not supported.
* It will cause the inaccurate filtering and mismatched the data as well.

Correct Relationship:

* Order Id is the common key that tracks the order from storage to return.
* There will be unique orders where we can connect uniquely.
* This will ensure the accurate filtering, reporting, and correct logistic Analysis.