1a.

Think about what could be going wrong with our calculation. Think about a better way to evaluate this data.

Answer:

I spent some time looking at the data, trying to understand the kind of insight I could gain from it. I realized that the aov was very high, I I noticed that two columns (Order_amount and Total_items) had extreme values and a high range which made them outliers and skewed the aov positively making the bell curve distribution move to the right

I think a better way to evaluate this data is to deal with the outliers so that the results can be less skewed and more accurate. One of the ways the outliers can be handled is to filter out the outliers.

1b.

What metric would you report for this dataset?.

A lot of metrics can be reported with this dataset some of them are
AOV- average order value
Total items bought (single, pairs etc)

1c.

What is its value??.

AOV- average order value- This helps me know how much customers are willing to pay per product. This will in turn help the company develop better pricing models to suit the needs and demands of its clientele

Total items bought (single, pairs etc) - Knowing the customer's shopping preferences whether they like to buy sneakers individually on in bundles of two and above can also help the company make better marketing and sales decisions to drive revenue growth

2a.

.How many orders were shipped by Speedy Express in total?

```
select sum(shipperid) from orders where shipperid = 1;
```

ANS = 54

2b.

What is the last name of the employee with the most orders?

```
select count(*), lastname from orders left Join employees on
employees.employeeid= orders.employeeid group by
lastname order by count(*) desc;
```

ANS = 40 , PEACOCK

2c.

What product was ordered the most by customers in Germany?

```
Select quantity, productname, country from customers c
Left join orders on c.customerID = orders.customerID
Left join OrderDetails on orders.orderid = OrderDetails.orderid
Left join products on OrderDetails.productid = products.productid
Where country = 'Germany'
Group by productname
Order by quantity desc;
```

ANS = 100 , Steeleye Stout