edX

Exercise 1: Last Year Comparison

Download and open "Lab 5 - Model.xlsx". If you're using Excel 2010, please use this file instead: "Lab 5 - Model - 2010.xlsx". You want to know how much sales (Revenue) in total does the company have. You want to compare this with the figure from the same period last year. Specifically, you will create the following measures:

- **Total Sales**: calculates the total sales. Format this measure as **Currency**. (Hint: Check out the **SUM** function).

- **LY Sales**: calculates last year sales. Format this measure as **Currency**. (Hint: You might find the **CALCULATE** and **SAMEPERIODLASTYEAR** function useful).

- **Sales Var**: calculates sales variance between this year and last year sales. Format this measure as **Currency**. (Hint: This is simply the difference between **Total Sales** and **LY Sales**).

- **Sales Var %**: calculates sales variance between this year and last year sales in percentage. Format this measure as **Percentage**. (Hint: This is simply the percentage of **Sales Var** from **LY Sales**. You might find the **DIVIDE** function useful).

Examples of each of these DAX expressions to calculate similar measures based on **Units** is shown beneath the questions.

Lab Question

3/3 points (graded)
Answer the following questions using the measures you created. (Do NOT include currency symbols, percent symbols or thousands separators, if the answer is negative then include the negative sign). Calculate the numbers without any context, either from the Power Pivot window or a pivot table with only measures. After you answer these questions, you can experiment with using these measures in pivot tables with a slicer on years or with years on rows/columns.

What is the figure for the Total Sales measure? (to two decimal points)

1258005068.93   ✔

1258005068.93

What is the figure for the LY Sales measure? (to two decimal points)

998733329.16   ✔

998733329.16

What is the figure for the Sales Var % measure? (to two decimal places in the format 00.00, without the % sign)

25.96   ✔

25.96

Submit   You have used 1 of 2 attempts

✔   Correct (3/3 points)

If you're stuck, check out the following DAX expressions to calculate similar measures, but on **Units** instead of **Revenue**.

- **Total Units**: Total Units:=SUM([Units])

- **LY Total Units:** LY Total Units:=CALCULATE([Total Units],SAMEPERIODLASTYEAR('Calendar'[Date]))

- **Total Units Var**: Total Units Var:=[Total Units]-[LY Total Units]

- **Total Units Var %**: Total Units Var %:=DIVIDE([Total Units Var],[LY Total Units])

Discussion

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?	**syntax error** Hi all, I am trying to use the SAMEPERIODLASTYEAR function in the following way: LYTotSales:=CALCU…	4
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?	**Lab data document is blank** I'm using Excel 2016 and I downloaded the lab for Excel 2016, but when I open it it's blank. I've tried t…	4
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?	**Which years are we comparing?** Hello, may I know which years we are actually comparing in this exercise? For "last year", are we refer…	3
?	**Can't access the data** Hi! I can't access the data. Nothing happens when I click on Manage Data models. I enabled content. …	4
💬	**DAX figures** I understand that the data has been loaded into the excel model and there's no need to refresh or ed…	6
?	**Hi, I downloaded the Lab5-Model-2010 File and how do I access to the page where I can add the measures? (I have excel 2010)** Hi, I downloaded the Lab5-Model-2010 File and how do I access to the page where I can add the mea…	6
☑	**Got an error with SAMEPERIODLASTYEAR** Hi all, I am trying to use the SAMEPERIODLASTYEAR function in the following way: LY Sales:=CALCULA…	3
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