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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

2/3 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

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



998733329.16

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



00.25

Submit

You have used 2 of 2 attempts

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])
-

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- | | | |
|---|--|---|
| ? | syntax error Hi all, I am trying to use the SAMEPERIODLASTYEAR function in the following way: LYTotSales:=CA... | 4 |
| 💬 | SAMEPERIODLASTYEAR: Context Determination I've completed this exercise with 100% after grading. However, I'd like to know how the Context is ... | 2 |
| ? | 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 tri... | 4 |
| ? | Why don't we take date values from sales page? In powerpivot; when I take date values from "sales" table instead of "calender" table, it gives differ... | 5 |
| 💬 | Manage Data Excel do not open anything Hello, when I click in the icon of "Manage Data Model" nothing happen, don't open anything. Som... | 4 |
| ? | question about the years we are comparing Sales table contains data from years 2013-2015. When we calculate total sales - are these the sale... | 2 |
| ? | No power query tab in Excel 2016 | 4 |
| ? | Which years are we comparing? Hello, may I know which years we are actually comparing in this exercise? For "last year", are we r... | 3 |
| ? | Can't access the data Hi! I can't access the data. Nothing happens when I click on Manage Data models. I enabled conte... | 4 |
| 💬 | DAX figures I understand that the data has been loaded into the excel model and there's no need to refresh o... | 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 ... | 6 |
| ✓ | Got an error with SAMEPERIODLASTYEAR Hi all, I am trying to use the SAMEPERIODLASTYEAR function in the following way: LY Sales:=CALC... | 3 |
| ? | Decimal If I change the column revenue in the data model, Excel takes the comma as decimal mark. I don't... | 1 |

