edX

Exercise 2: Last Year Comparison

You want to know how much sales (revenue) in total does the VanArsdel have and to compare this with the figure from the same period last year. You need to create several calculated measures to help with this comparison. To do so, in either the **Report** view or the **Data** view, right-click the **Sales** table, click **New Measure**, and type in the corresponding DAX formulas for the measure you want to create. This will create the measures with the **Home Table** properties set to the **Sales** table.

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).
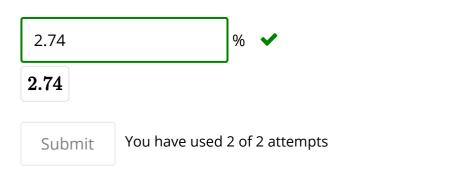
Lab Questions

4.0/4.0 points (graded)
Answer the following questions using the measures you created. (Do NOT include currency symbols or thousands separators). The fastest way to do this is to drag the measures you created to the Report view and format them as a table visualization. Do not use any level of filtering to answer the questions.

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

> 5127755449.65   ✔

5127755449.65

What is the figure for the Sales Var % measure? (to two decimal places)

> 2.74   %   ✔

2.74

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(Sales[Units])

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