Lab 5 DAX Time Series

Objectives

Time: 15-20 Minutes

- 1. Create a DAX measure that produces the following measures.
 - a. Sales for the previous year using the PREVIOUSYEAR function
 - b. Sales for the previous month using the DATEADD function
 - c. Sales year to date using the TOTALYTD function
 - d. Last Quarter Sales using the PARALLELPERIOD function
 - e. Percent change of the previous year to the current year using the variables command in the formula
 - f. Percent change of the previous month to the current year using the variables command in the formula

Lab steps

Previous Year	Formula Sales Last Year = CALCULATE([Total Sales], PREVIOUSYEAR(Cal_tbl[Date]))	Format Currency
Previous Month	Formula Sales Previous Month = CALCULATE([Total Sales], DATEADD(Cal_tbl[Date], -1, MONTH))	Format Currency
Sales Year to date	Formula SalesYTD = TOTALYTD([Total Sales],Cal_tbl[Date])	Format Currency

Create a new Tab titled "Time	V				
Series"	Year				
	2019	~			
Place the new measures into a					
table visual and place a year			•	•	
slicer visual on the canvas set to	Year Month	Short Name Total Sales	Sales Previous	Sales YTD	
the year 2019			Month		
,	2019 Jan	\$1,339,434	\$2,169,490	\$1,339,434	
	2019 Feb	\$2,361,932	\$1,339,434	\$3,701,366	
	2019 Mar	\$1,542,556	\$2,361,932	\$5,243,922	
	2019 Apr	\$1,921,687		\$7,165,609	
	2019 May	\$2,856,101		\$10,021,710	
	2019 Jun	\$1,971,537		\$11,993,247	
	2019 Jul	\$2,871,039		\$14,864,286	
	2019 Aug	\$4,368,030		\$19,232,316	
	2019 Sep 2019 Oct	\$4,235,252 \$2,267,952		\$23,467,568 \$25,735,520	
	2019 Oct 2019 Nov	\$3,385,488		\$29,121,008	
	2019 Dec	\$3,386,696		\$32,507,704	
	Total	\$32,507,704		\$32,507,704	
Sales % Change previous year. Sales % Change previous month.	var CY = [To	ame Period Last Year	r]		Format Currency
	Formula				Format
			=		Currency
	var CM = [To	ous Month % Change = otal Sales] ales Previous Month]			Currency

1 . Place the new measures into a table visual				Total Sales and Sales Last Year by Year
2 . Add the Total Sales, Year and Sales Last Year measures into a KPI card visual. This visual will provide a conditional format for current year sales compared to the previous year's sales	Year Total Sales 2019 \$32,507,704 Total \$32,507,704		Sales Previous Year % Change 29.92% 29.92 %	\$32.51M~ Goal: \$25.02M (+29.92%) Value Total Sales
				Trend axis Year
Last Quarter Sales	Formula Last Quarter Sale 1,QUARTER))	s = CALCULATE([Total Sales],PARAL	Format Currency LELPERIOD(Cal_tbl[Date],-

	Year	Total Sales	Last Quarter Sales
	□ 2017	\$8,080,177	\$3,199,199
	Jul	\$489,272	4-77
	Aug	\$1,542,883	
	Sep	\$1,167,044	
	Oct	\$848,376	\$3,199,199
	Nov	\$2,328,412	\$3,199,199
1. Add the Total Sales, Year,	Dec	\$1,704,190	\$3,199,199
Month short name and Last	□ 2018	\$25,020,677	\$22,846,020
	Jan	\$716,347	\$4,880,978
Quarter Sales measures to a	Feb	\$1,900,644	\$4,880,978
Matrix table visual. You will	Mar	\$1,455,187	\$4,880,978
need to disable the filter	Apr	\$886,504	\$4,072,178
interaction so that you get all	May	\$2,270,625	\$4,072,178
	Jun	\$1,678,204	\$4,072,178
years as displayed	Jul	\$2,544,540	\$4,835,333
	Aug	\$3,620,805	\$4,835,333
	Sep	\$2,892,186	\$4,835,333
	Oct	\$1,861,152	\$9,057,531
	Nov	\$3,024,993	\$9,057,531
	Dec	\$2,169,490	\$9,057,531
	□ 2019	\$32,507,704	\$30,523,203
	Jan	\$1,339,434	\$7,055,635
	Feb	\$2,361,932	\$7,055,635
	Mar	\$1,542,556	\$7,055,635
	Apr	\$1,921,687	\$5,243,922
	May	\$2,856,101	\$5,243,922
	Total	\$77,961,013	\$77,961,013
END			
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