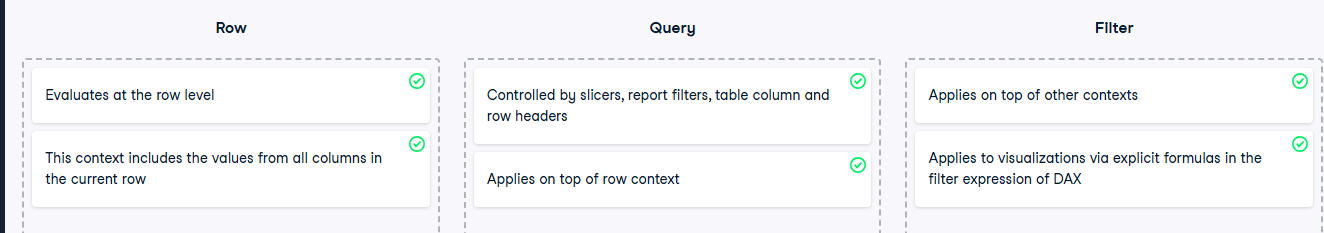
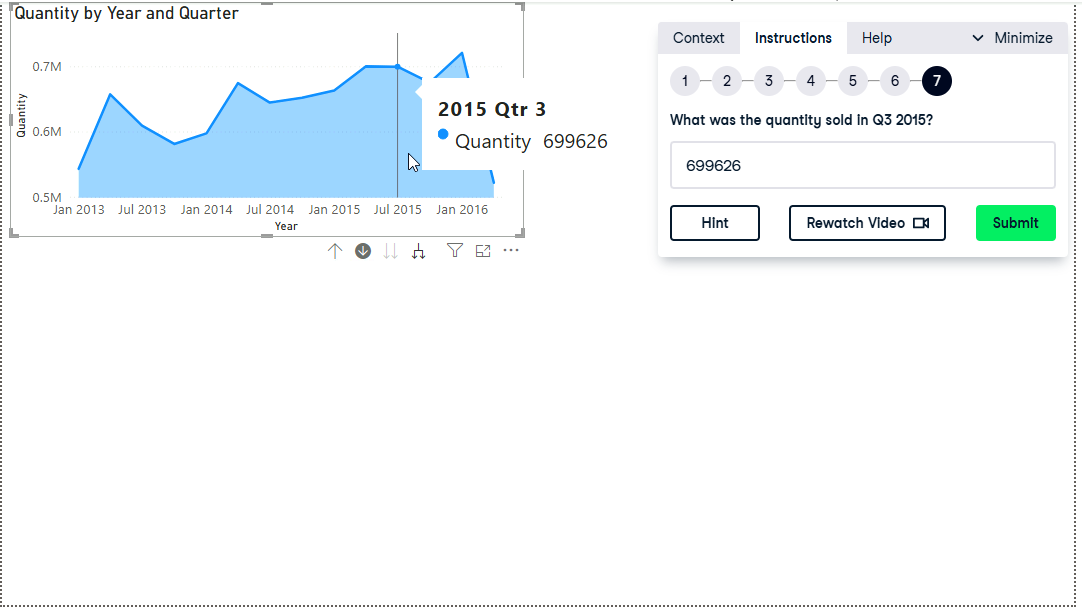
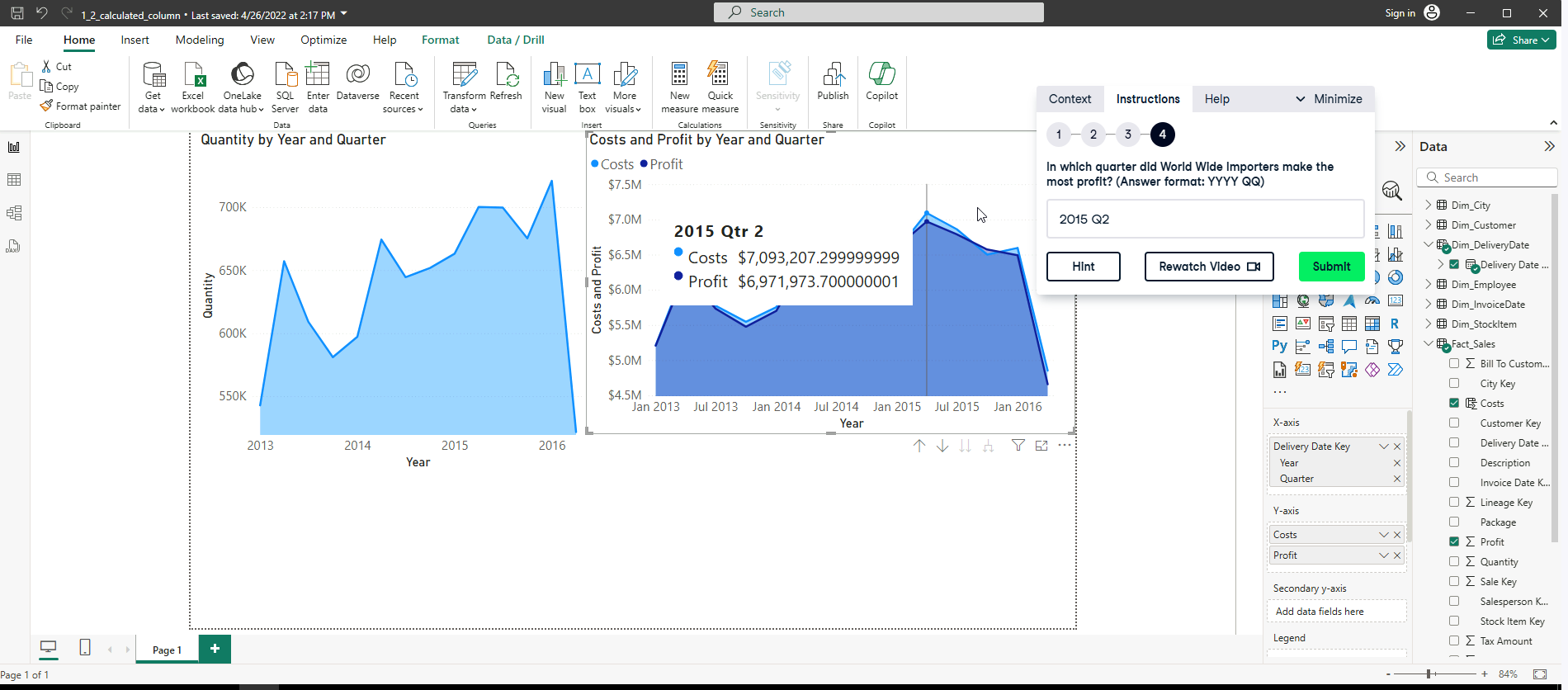
**Data Analyst in Power BI Data-Camp 2025**

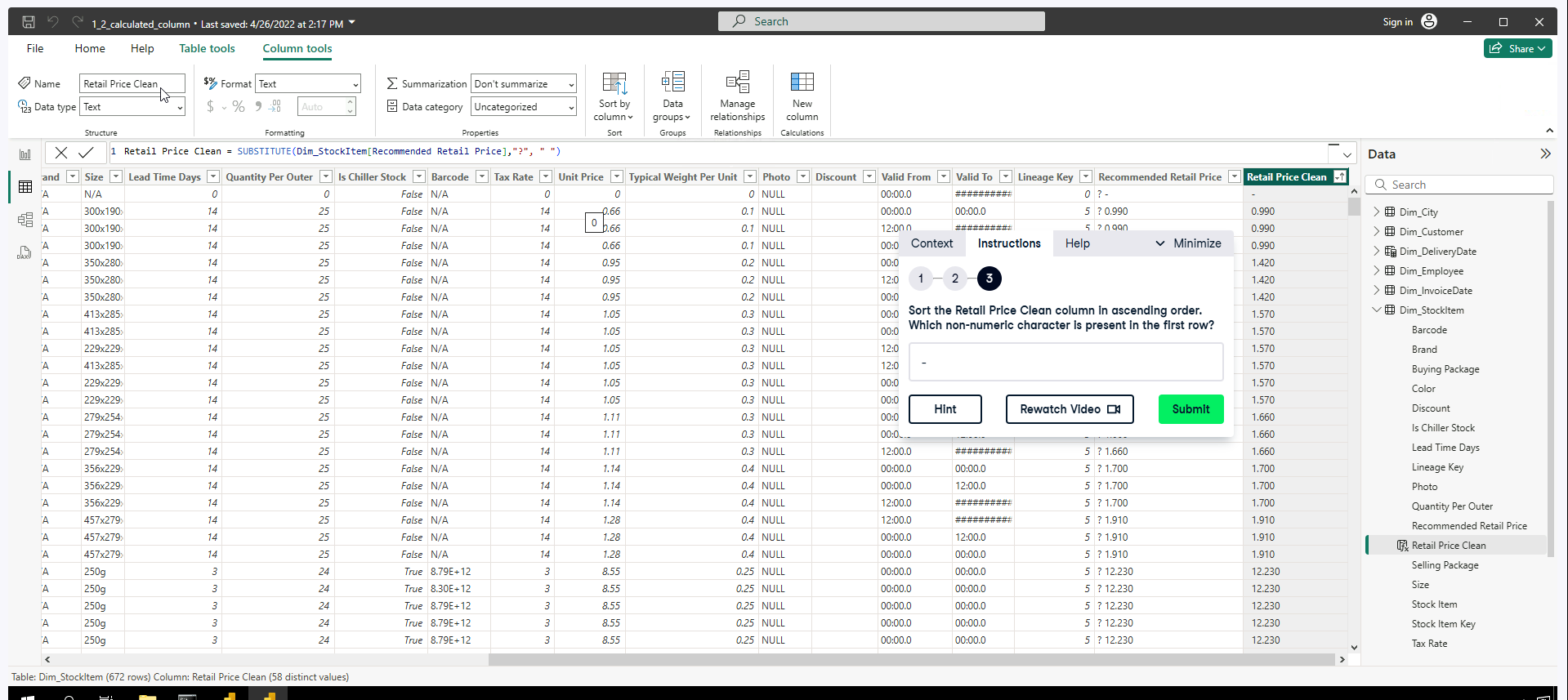
**Section 10: DAX Functions in Power BI**

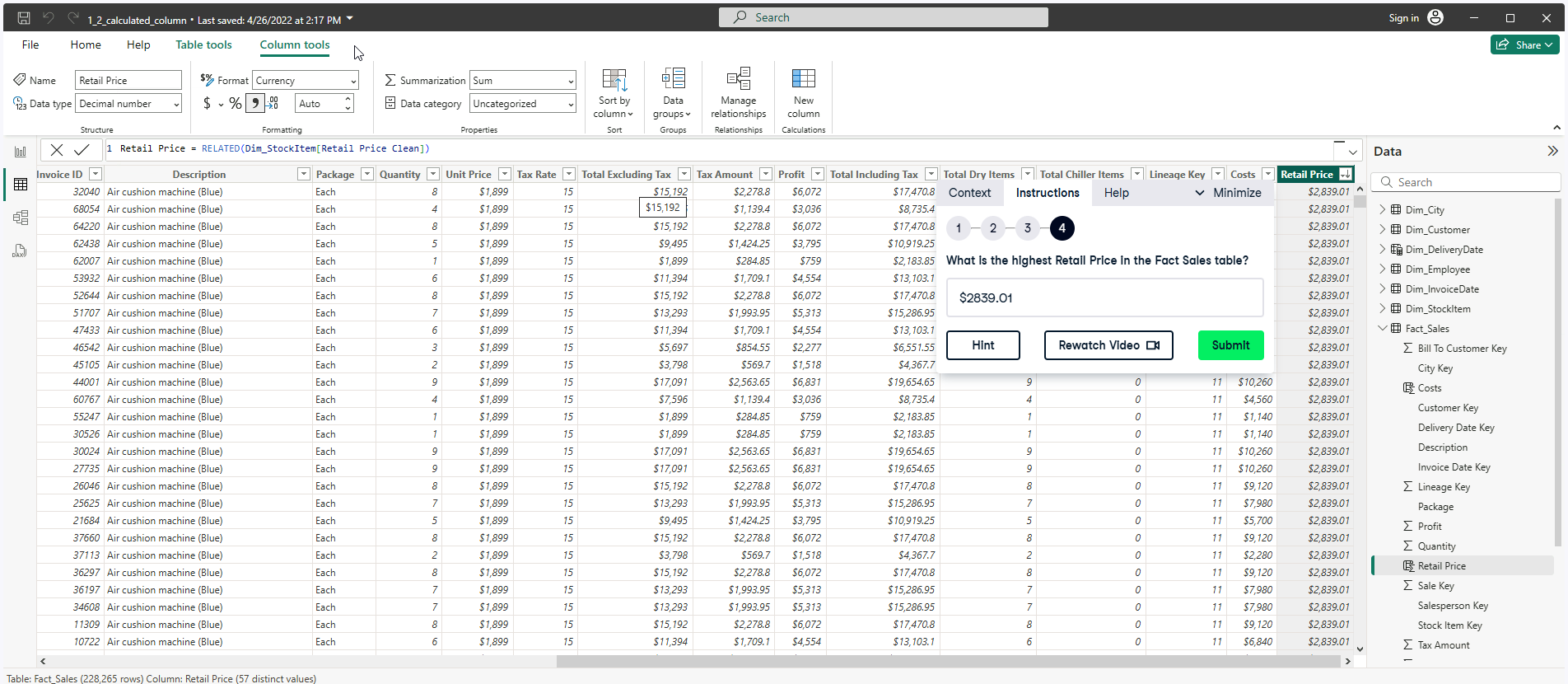
1. **Setting up Data Models with DAX**



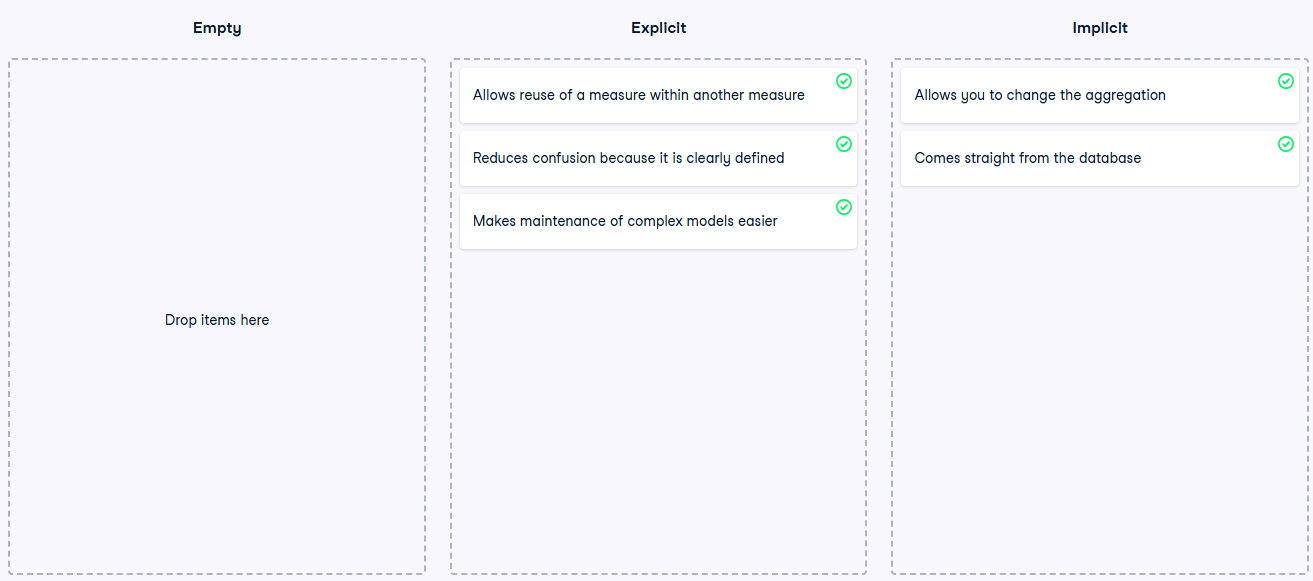
**Exercise 1.1 **

**Exercise 1.2**

**Exercise 1.3**

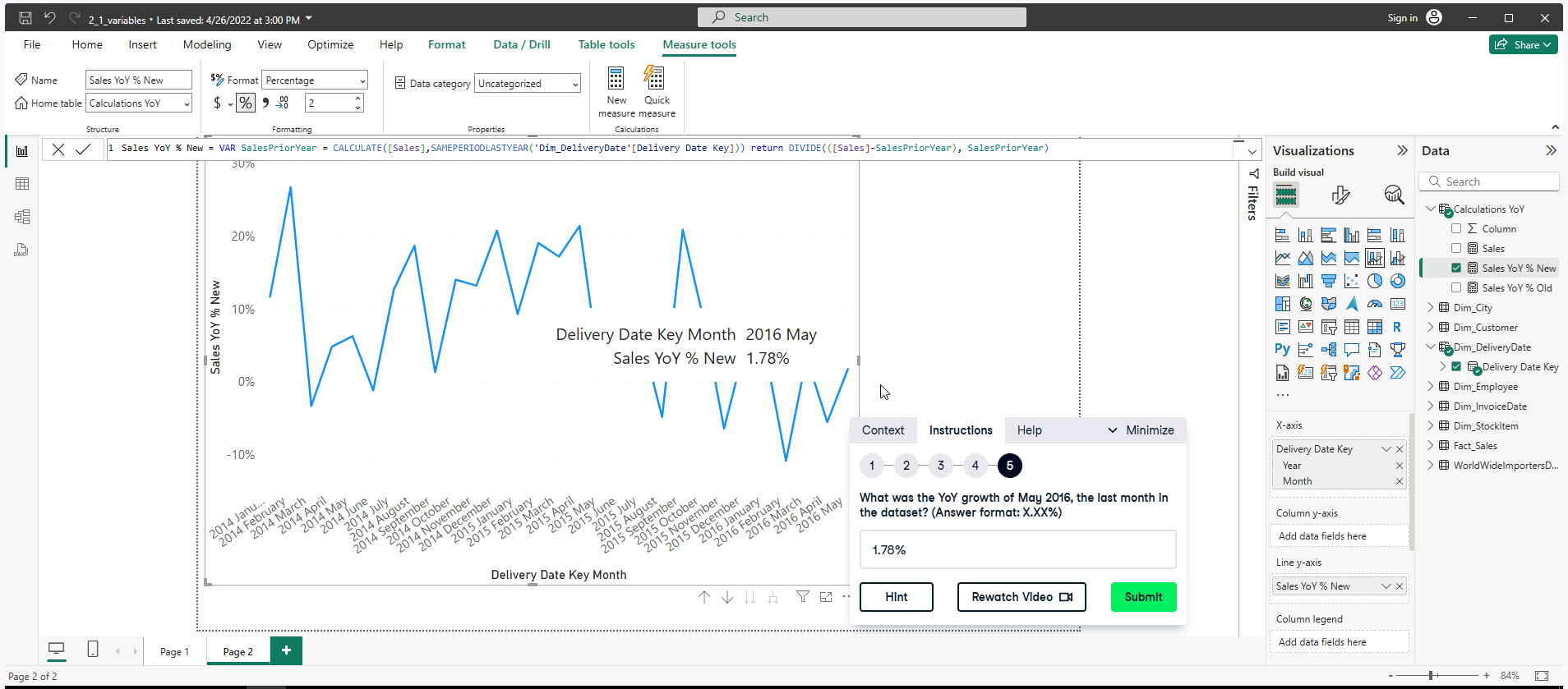
**Exercise 1.4**

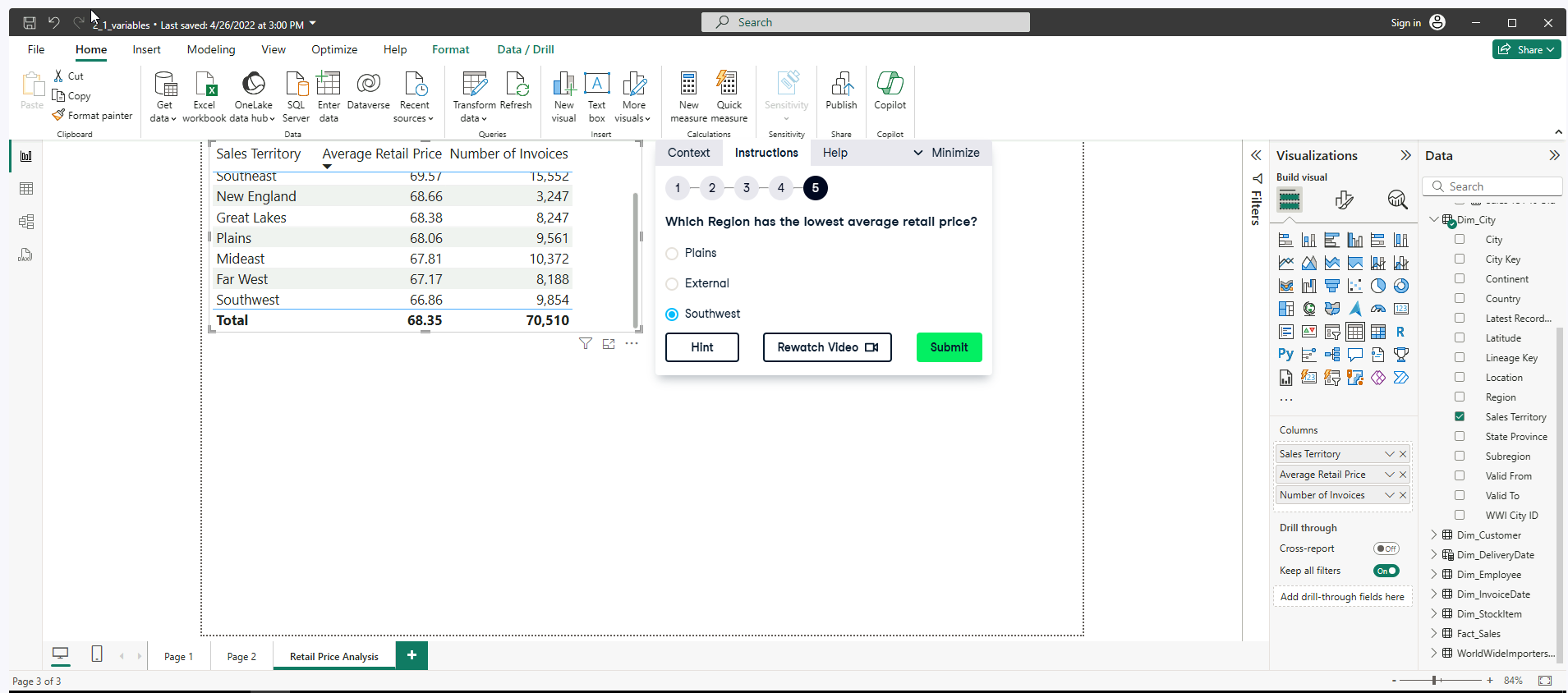
**DAX and Measures**

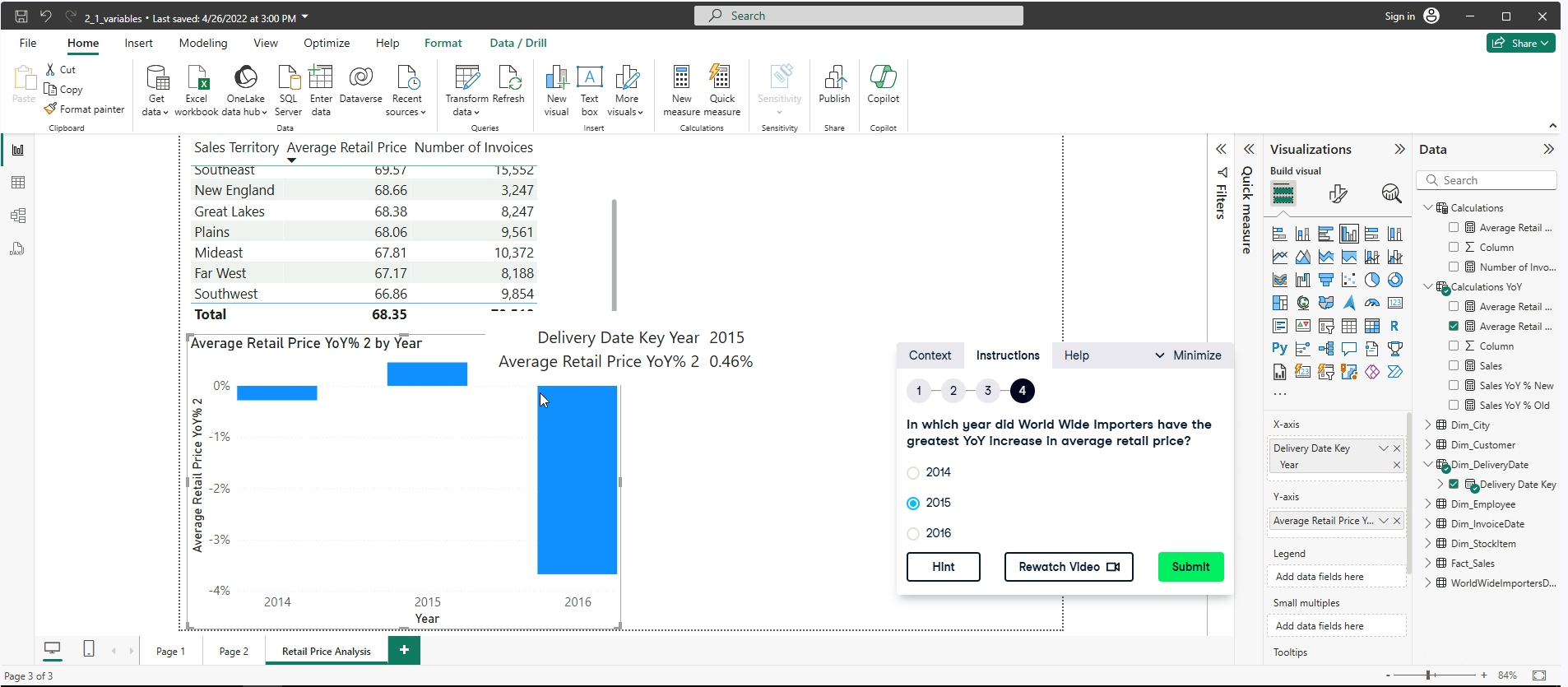
****

**Exercise 2.1A screenshot of a computer

AI-generated content may be incorrect.**

Dax Measure for Sales YOY% New****

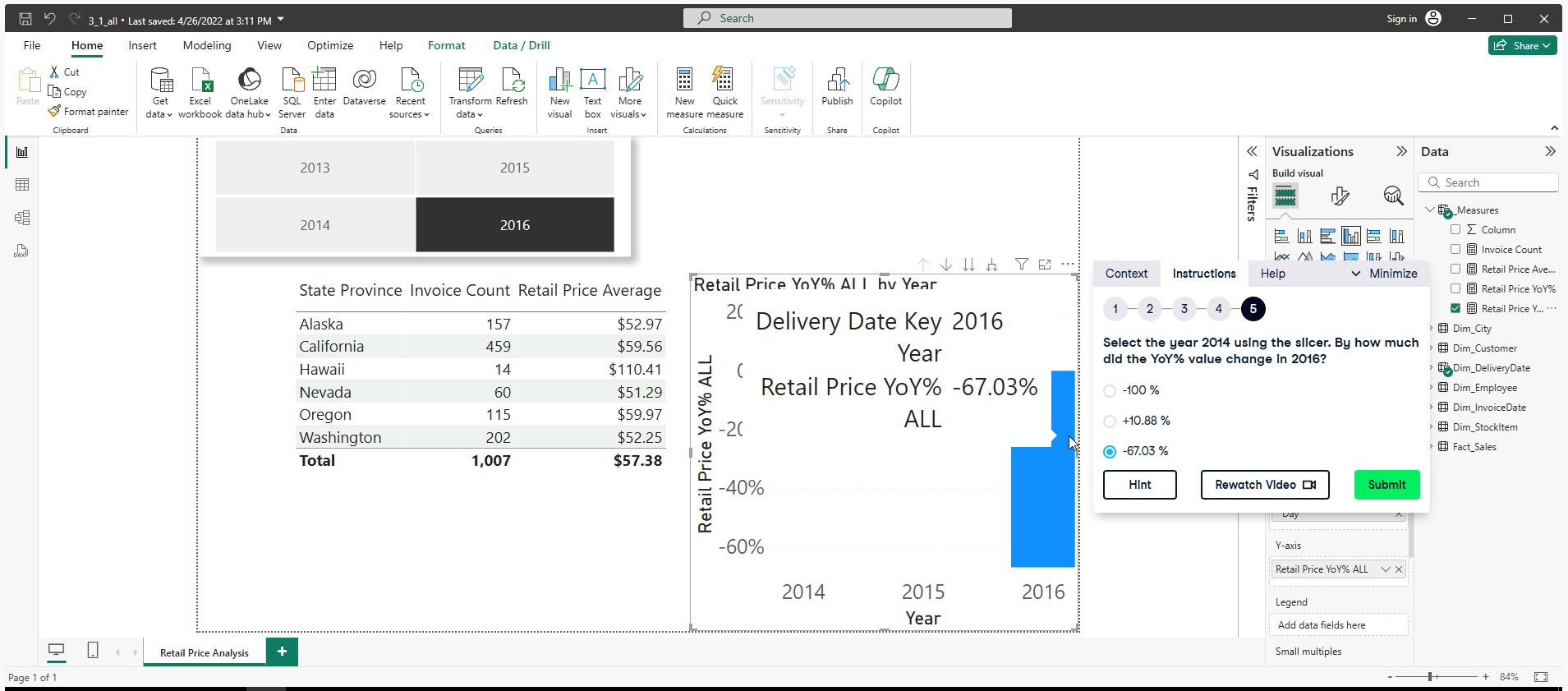
**Exercise 2.2**

**Exercise 2.3**

**Filtering and Counting with DAX**

**A screenshot of a computer

AI-generated content may be incorrect.Exercise 3.1**

****

DAX MEASURE to give Retail Price YOY% through all calendar years.

* Retail Price YoY% ALL = CALCULATE([Retail Price YoY%],ALL(Dim\_InvoiceDate[Calendar Year]))

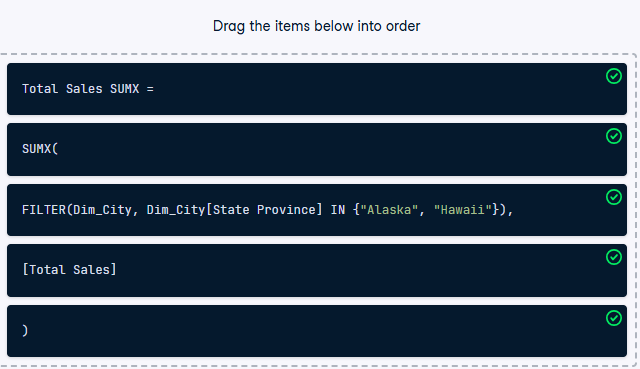
**Exercise 3.2**

DAX MEASURE Total Sales Chiller calculates Total Sales from the fact table, includes chilled items by using FILTER()

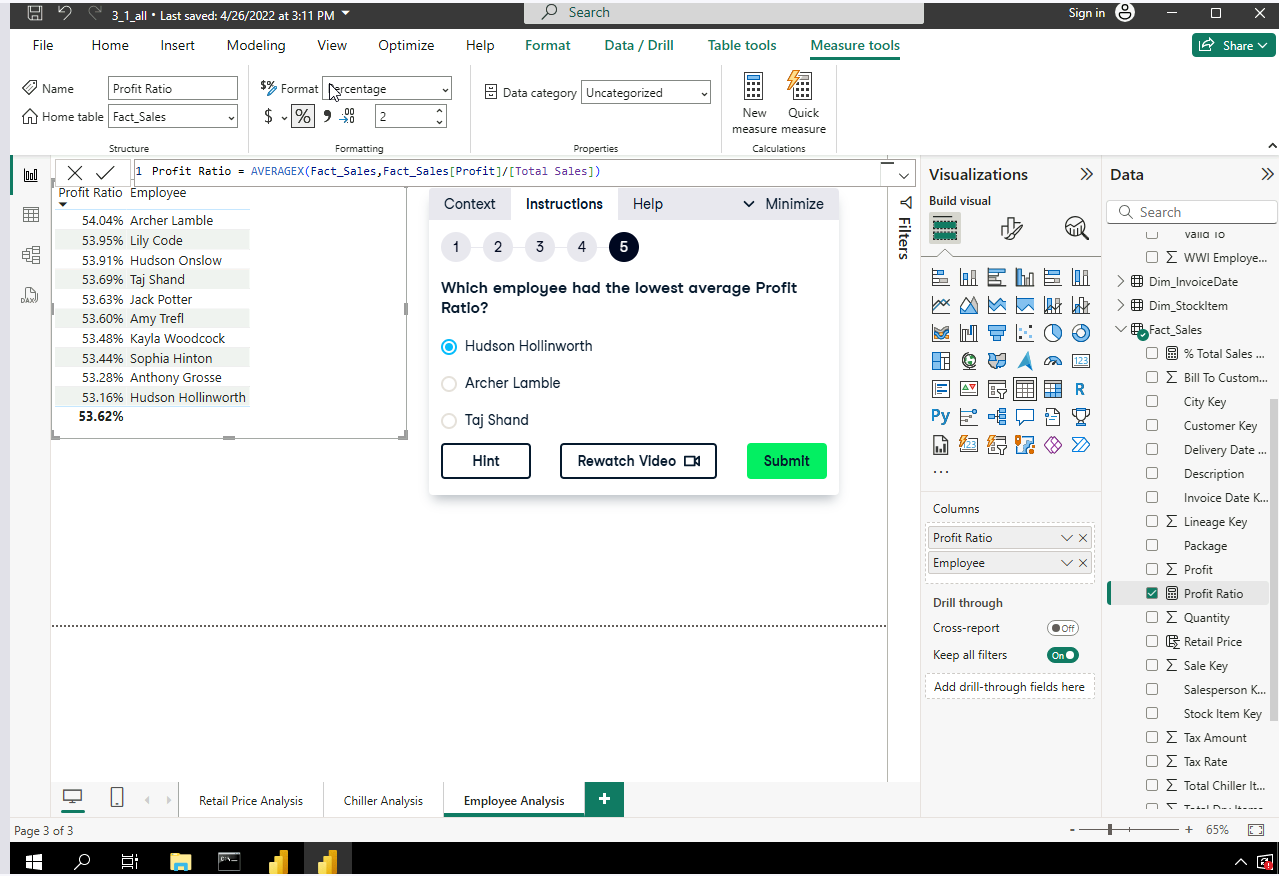
* Total Sales Chiller = CALCULATE([Total Sales], FILTER(Fact\_Sales, RELATED(Dim\_StockItem[Is Chiller Stock]) = TRUE)) **A screenshot of a computer

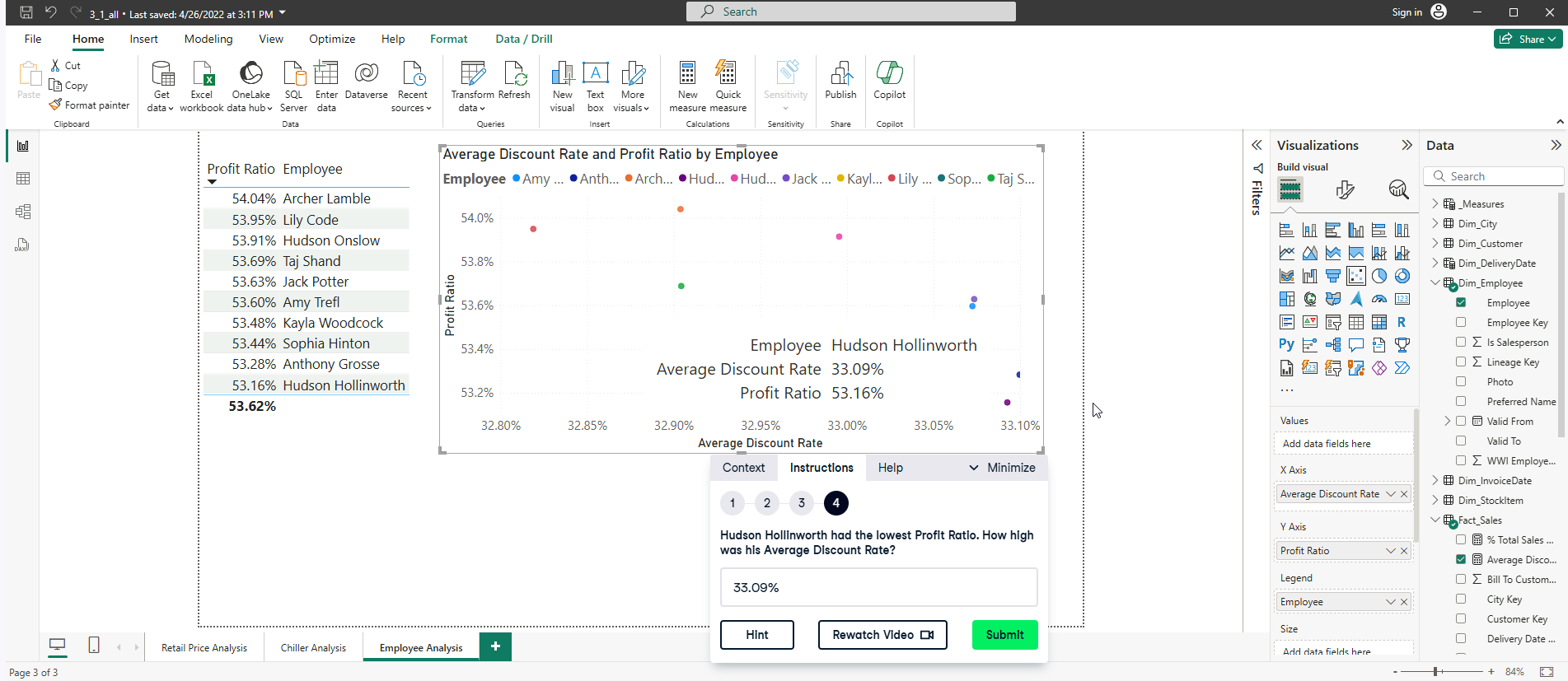
  AI-generated content may be incorrect.**

**Iterating Functions**

**Exercise 4.1**

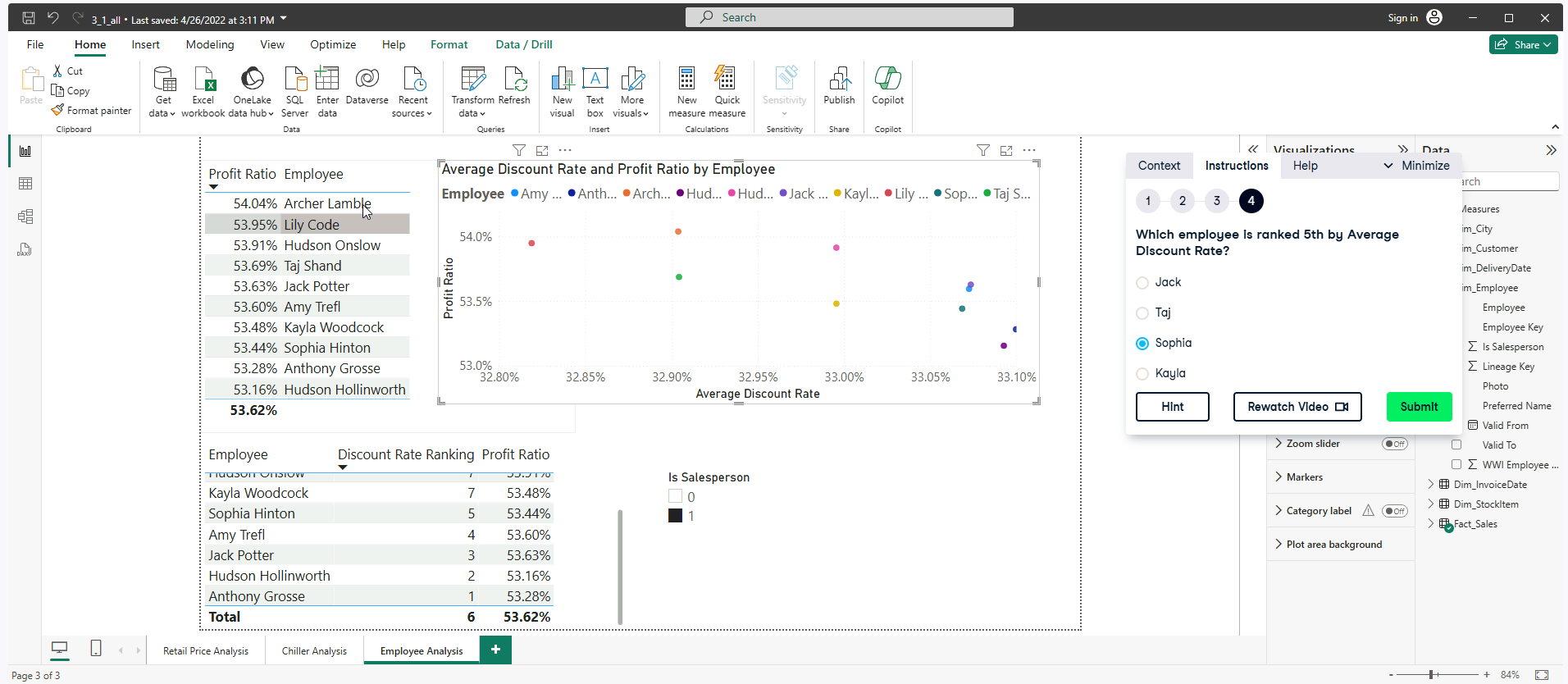
CREATING A DAX MEASURE FOR PROFIT RATIO,

* Profit Ratio = AVERAGEX(Fact\_Sales, DIVIDE(Fact\_Sales[Profit],[Total Sales]))
* Profit Ratio = AVERAGEX(Fact\_Sales, Fact\_Sales[Profit]/[Total Sales]) 

**Exercise 4.2**

CREATING A DAX MEASURE FOR AVERAGE DISCOUNT RATE,

* Average Discount Rate = AVERAGEX(Fact\_Sales, DIVIDE(Fact\_Sales[Retail Price]-Fact\_Sales[Unit Price],Fact\_Sales[Retail Price]))
* Average Discount Rate = AVERAGEX(Fact\_Sales, (Fact\_Sales[Retail Price]-Fact\_Sales[Unit Price])/Fact\_Sales[Retail Price])

**Exercise 4.3**

* Discount Rate Ranking = RANKX(ALL(Dim\_Employee[Employee]),[Average Discount Rate])