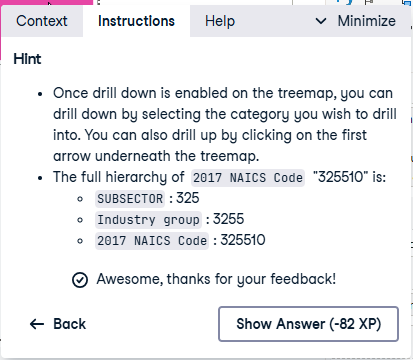
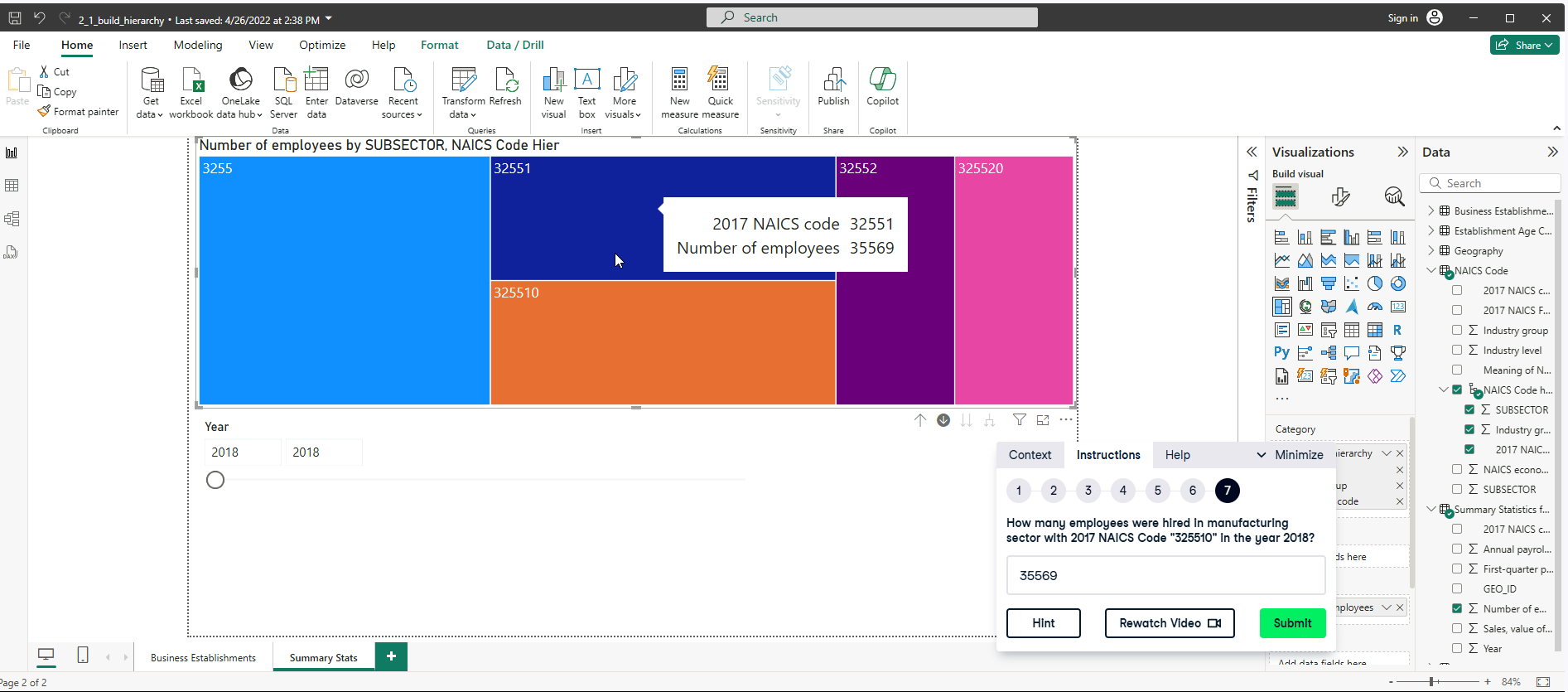
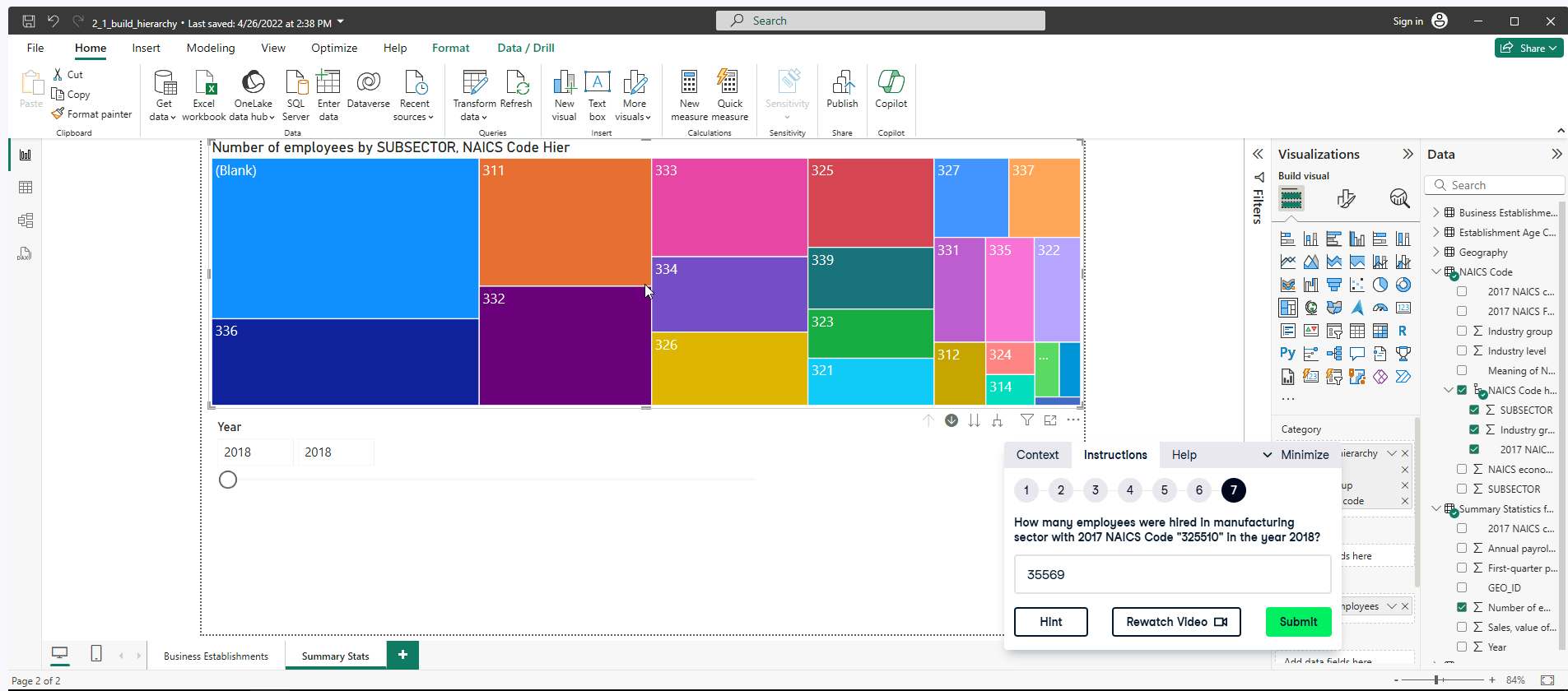
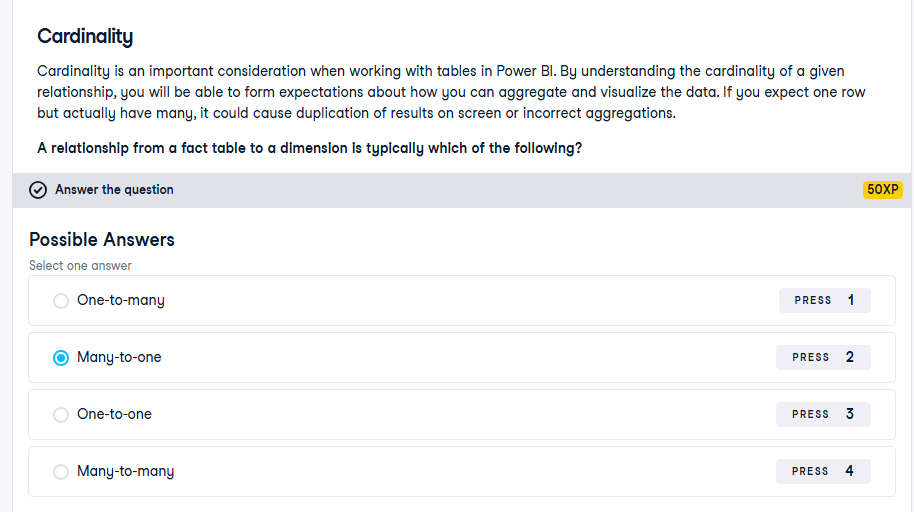
**Data Analyst in Power BI Data-Camp 2025**

**Section 8: Intermediate Data Modelling in Power BI**

**Date Dimensions and Relationships**

**Exercise 1.1**

Complete the following DAX syntax to create the Year table, which should contain a single column Year, with years ranging from 1961 to today’s year.

**Format:**

--- = // name of the table

DISTINCT ( // only keeps the unique rows

SELECTCOLUMNS ( // returns a table and creates new column based on expression

\_\_\_\_ (DATE (\_\_\_), \_\_\_) , // creates data range between 1961-01-01 and today

“\_\_\_”, YEAR([]) // creates “Year” column, extracting the years only

) )

**Solution:**

YEAR = // name of the table

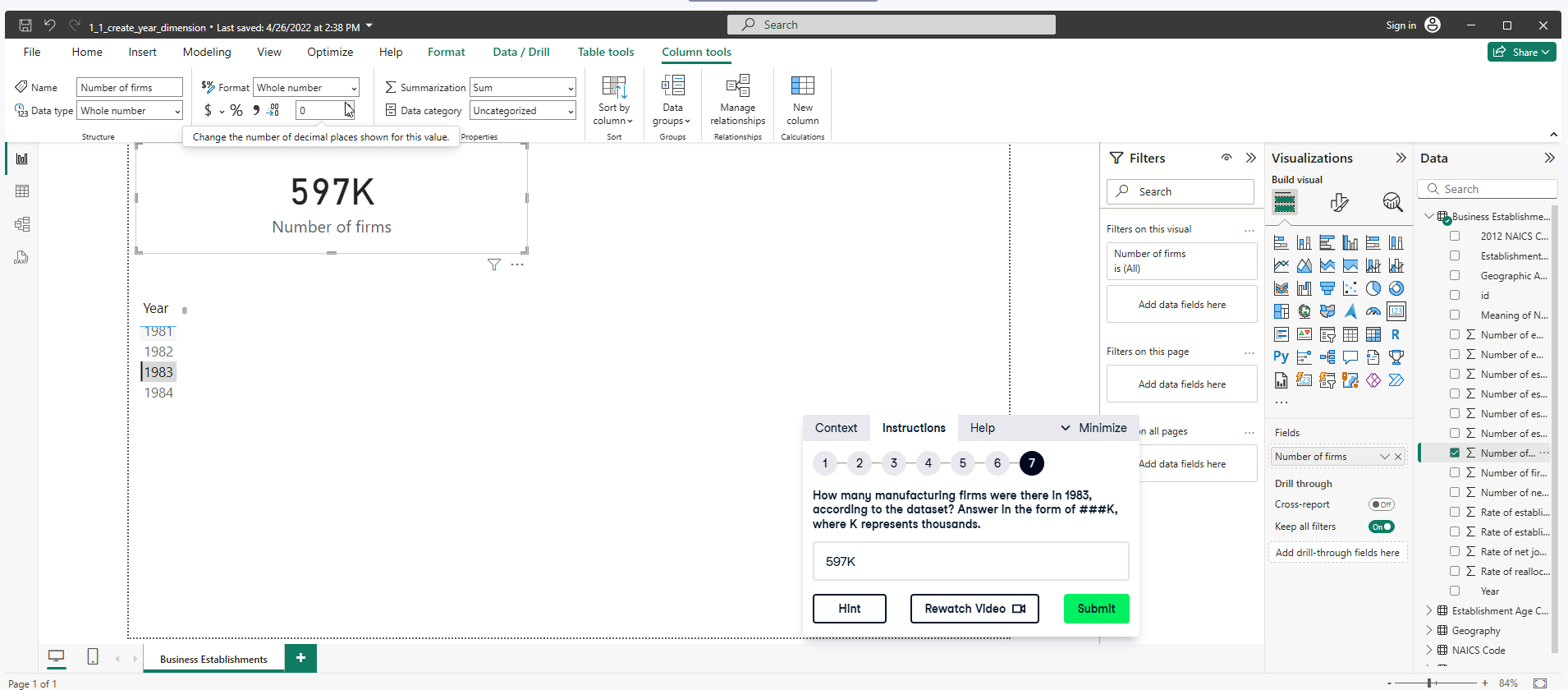
DISTINCT ( // only keeps the unique rows

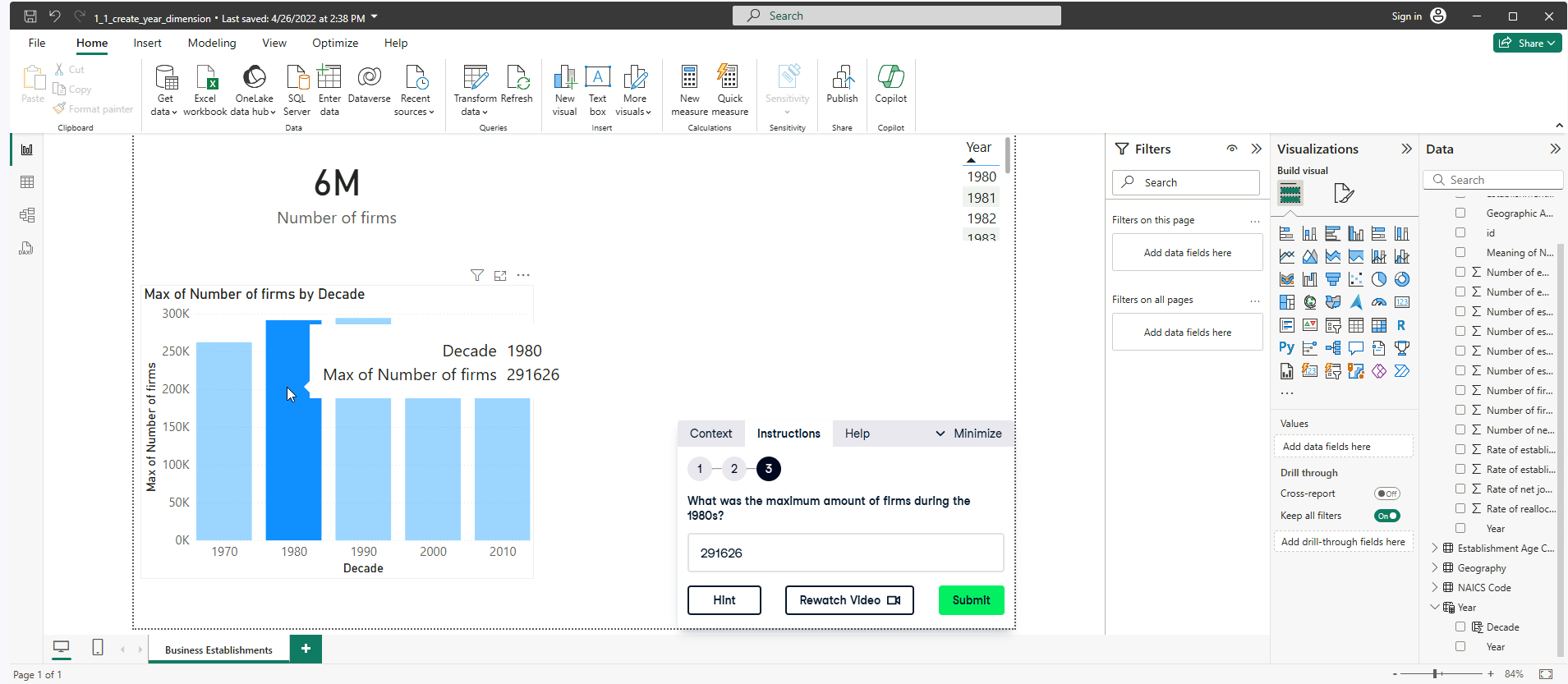
SELECTCOLUMNS ( // returns a table and creates new column based on expression

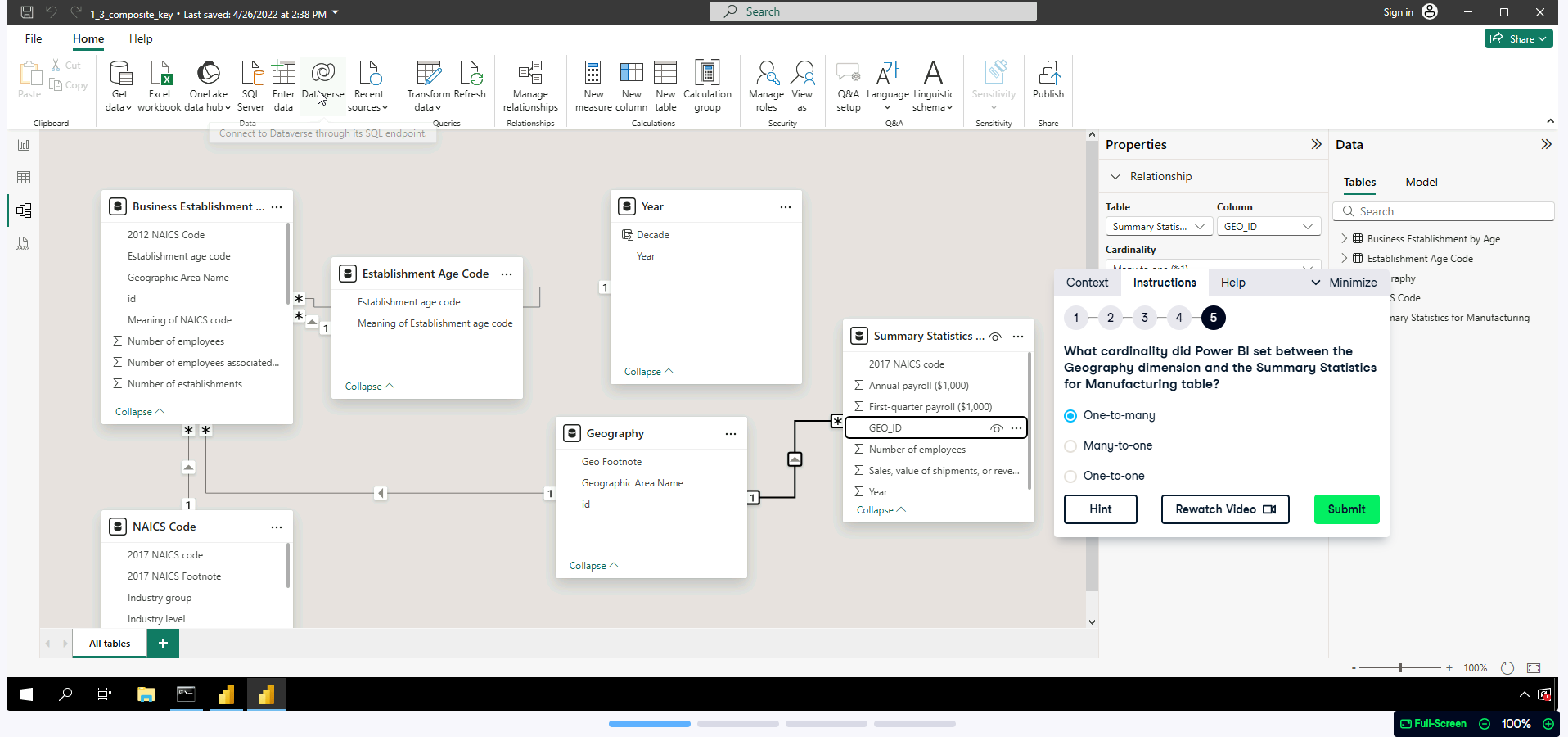
CALENDAR(DATE (1961,1,1), TODAY() ) , // creates data range between 1961-01-01 and today

“Year”, YEAR([Date]) // creates “Year” column, extracting the years only

) )



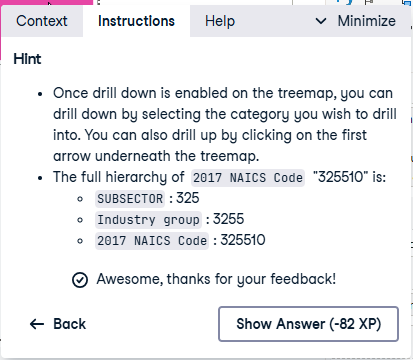
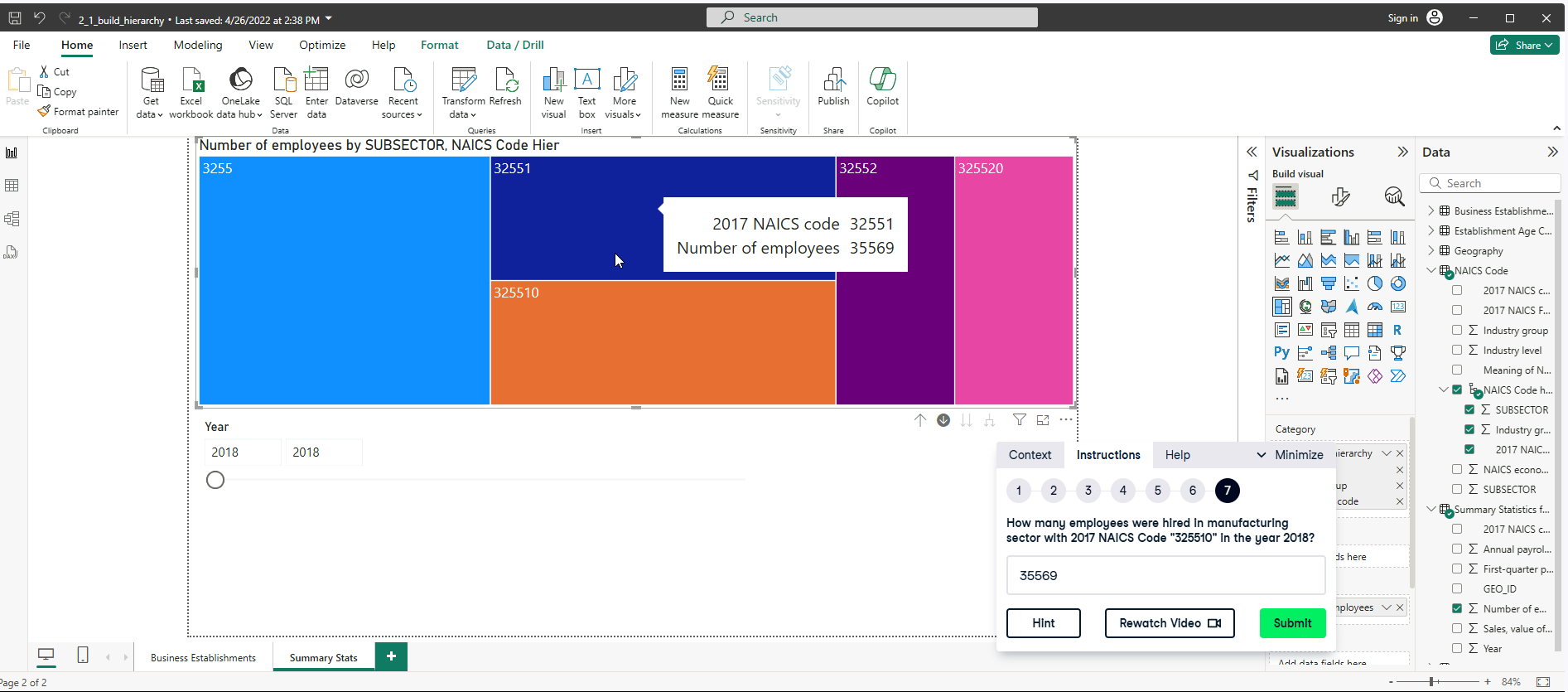
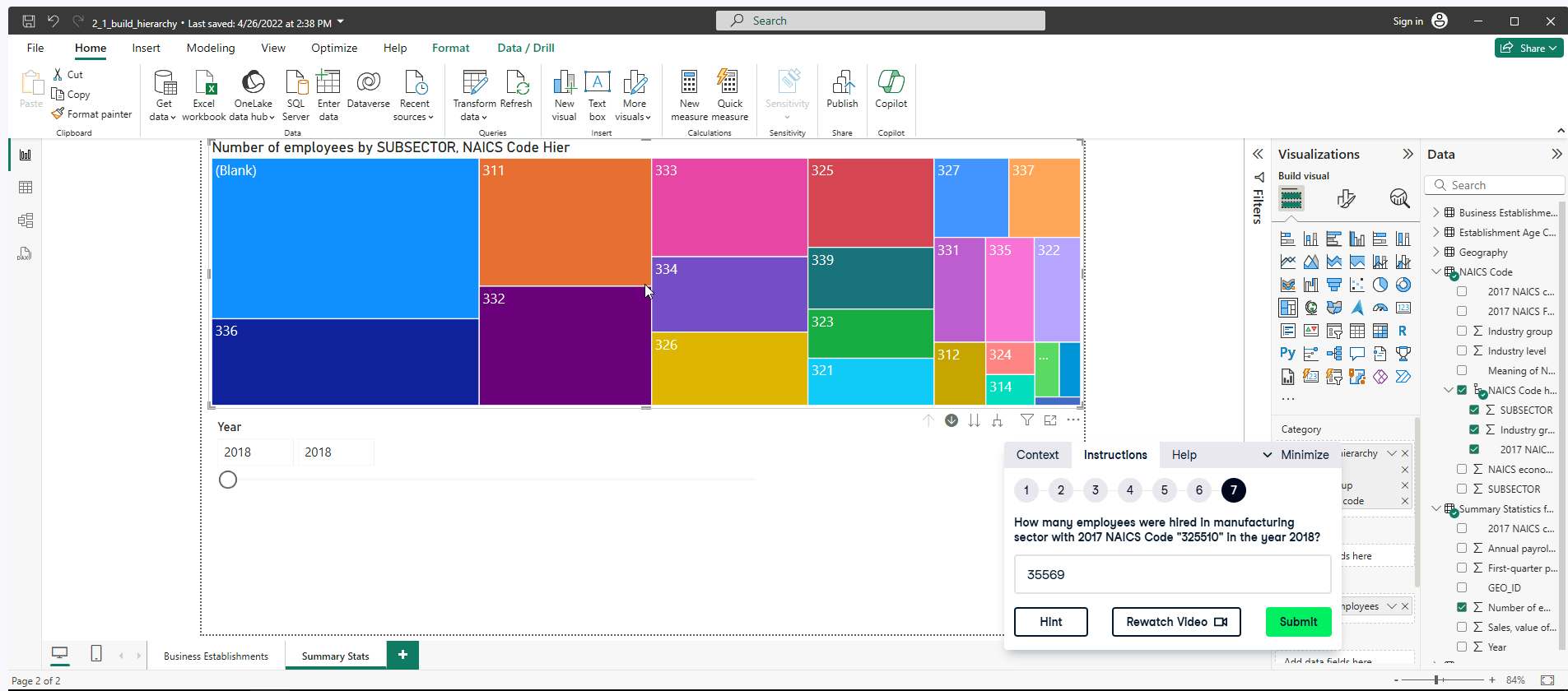
**Exercise 1.2**

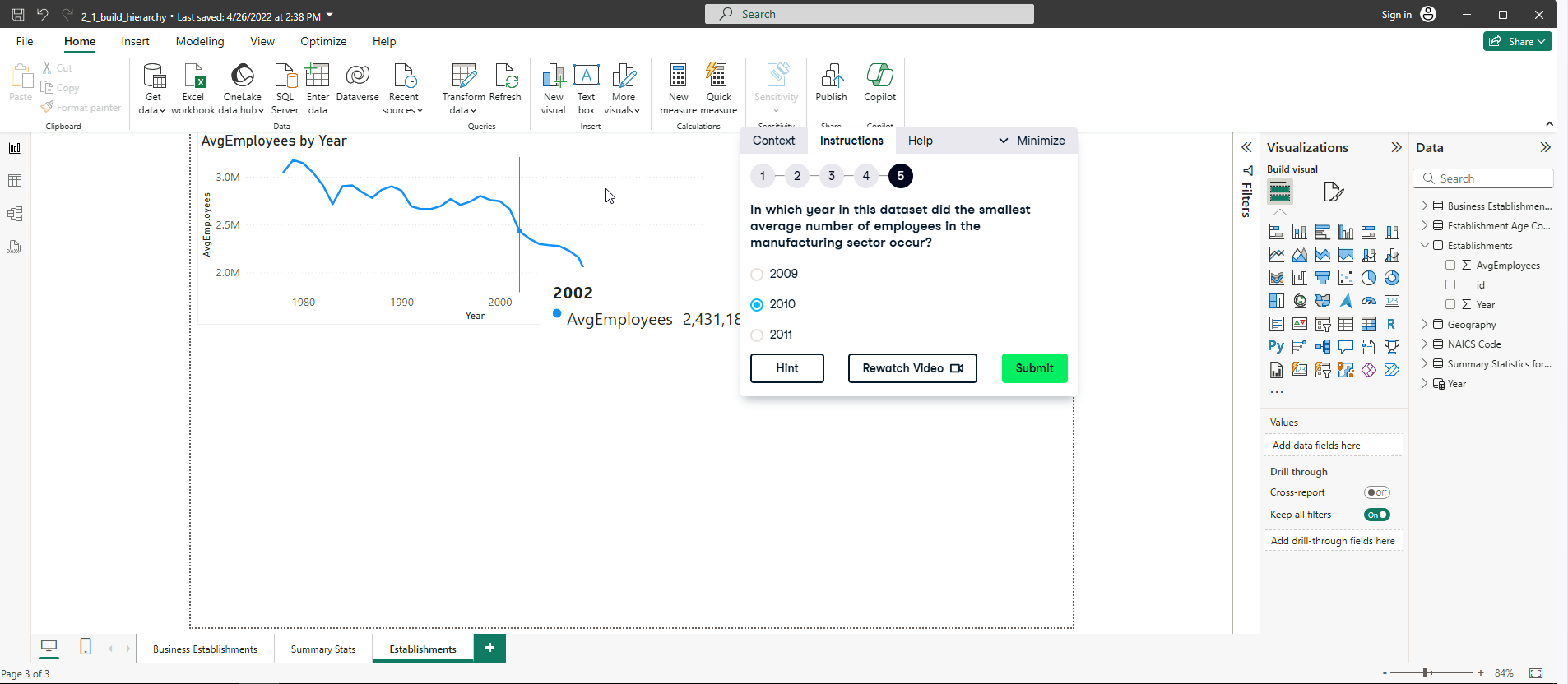
**Exercise 1.3**

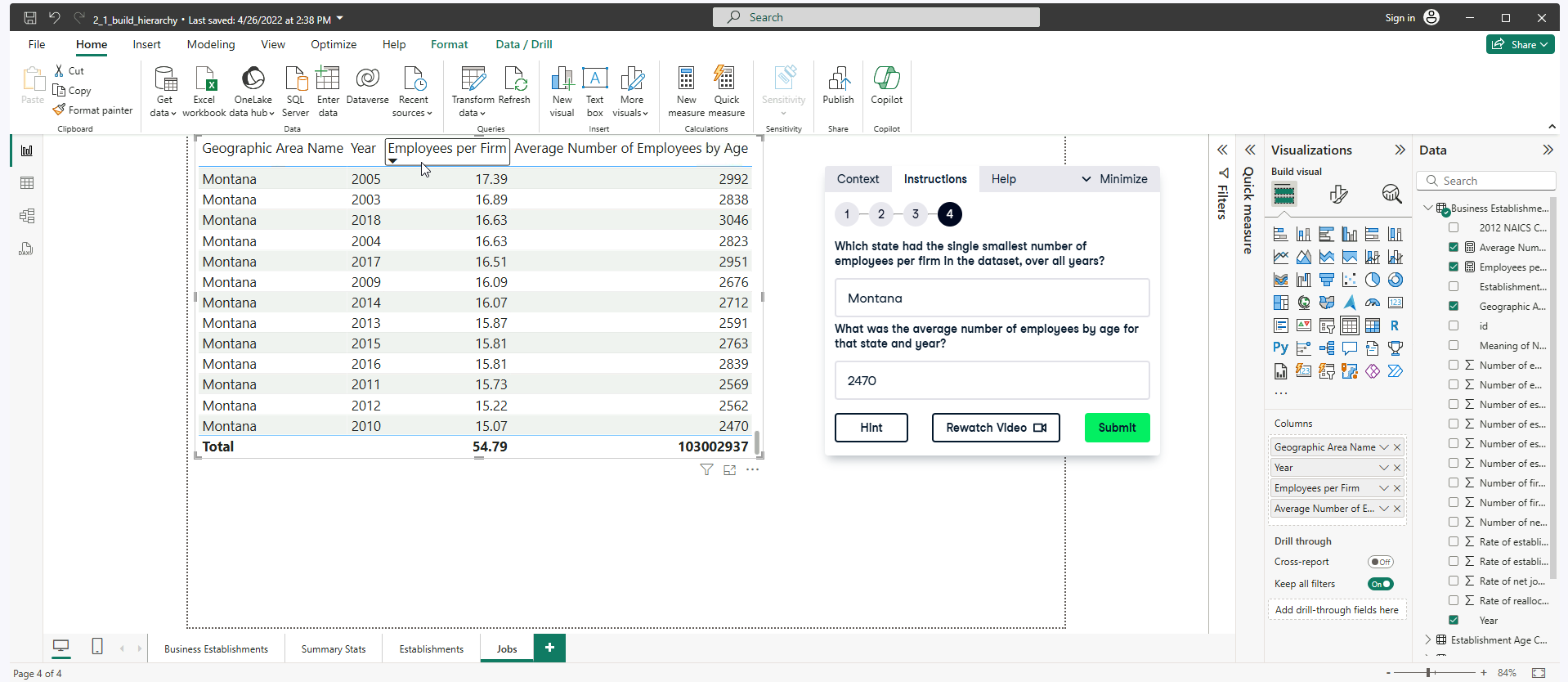
**Granularity, Measures, and Hierarchies**

**A screenshot of a computer

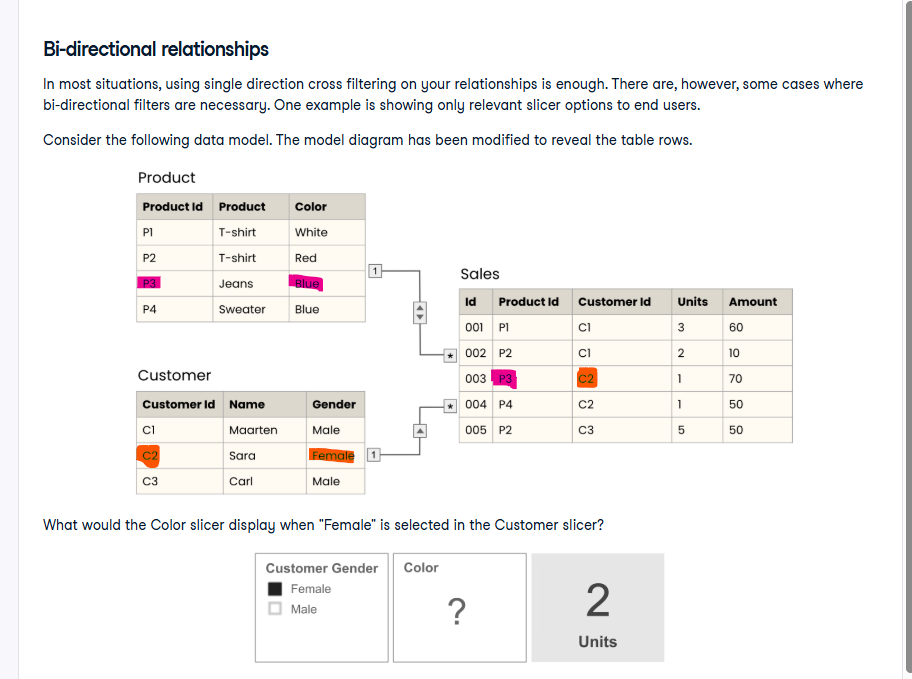
AI-generated content may be incorrect.**

**Exercise 2.1**

**Exercise 2.2**

**Exercise 2.3**

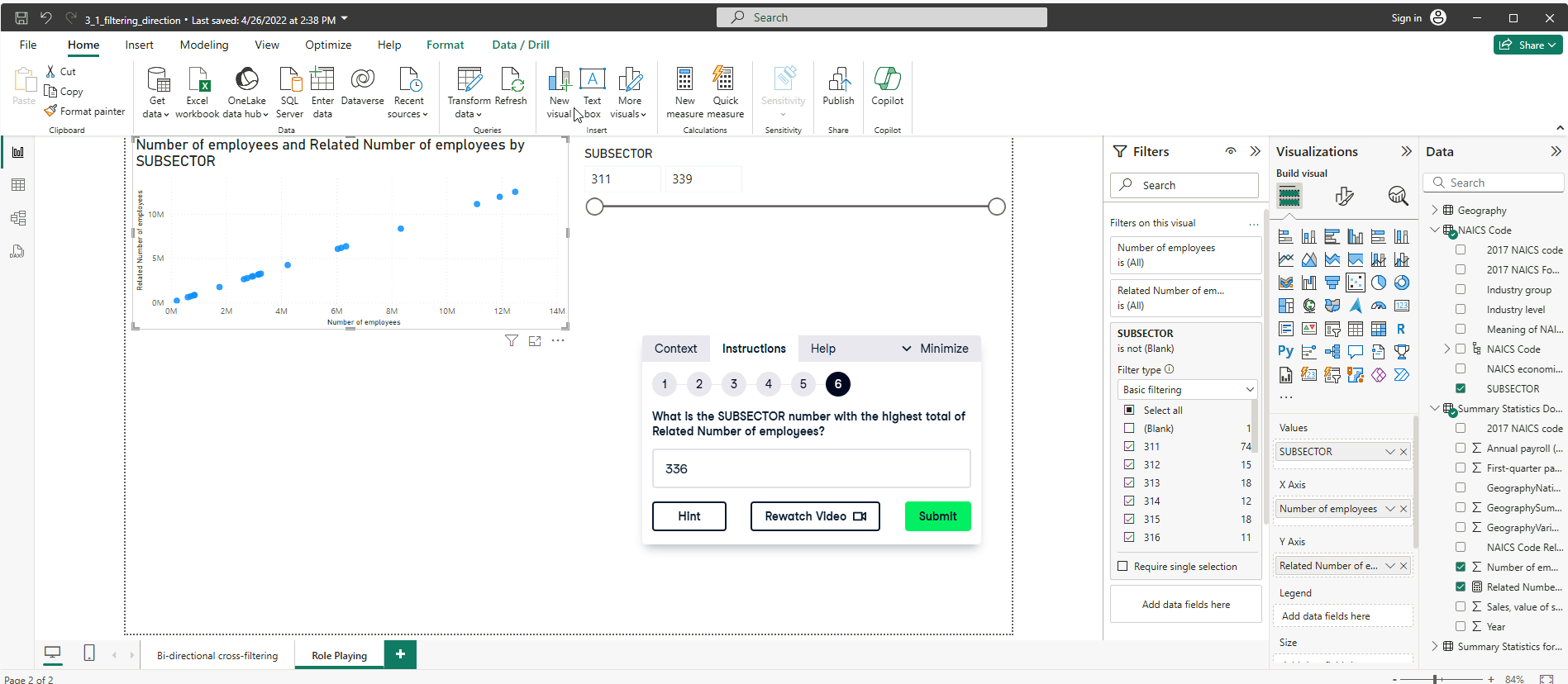
NOTE: ASKING FOR THE LEAST VALUE FOR THE SECOND QUESTION

**Advanced Data Modelling **

Answer: Blue

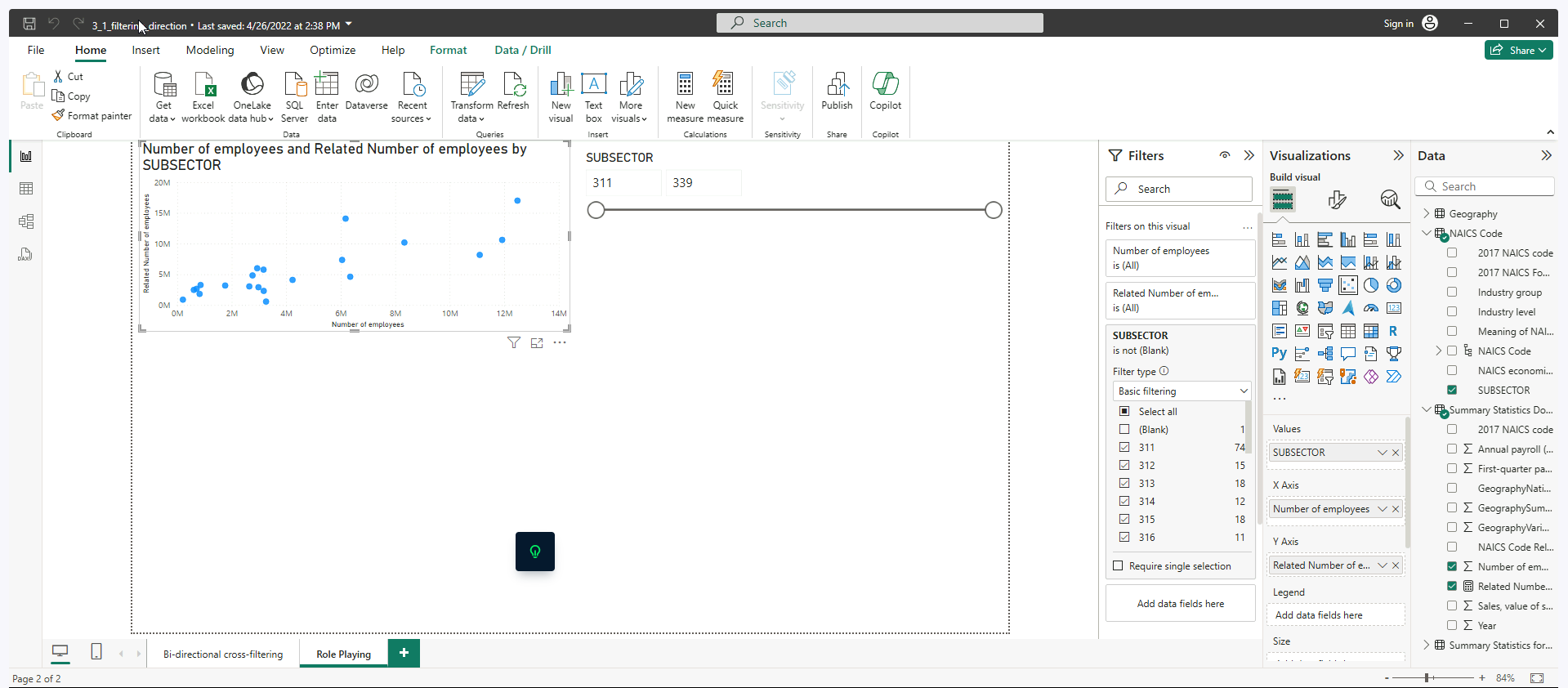
**Exercise 3.1**A screenshot of a computer

AI-generated content may be incorrect.

**Exercise 3.2**

**A screenshot of a computer

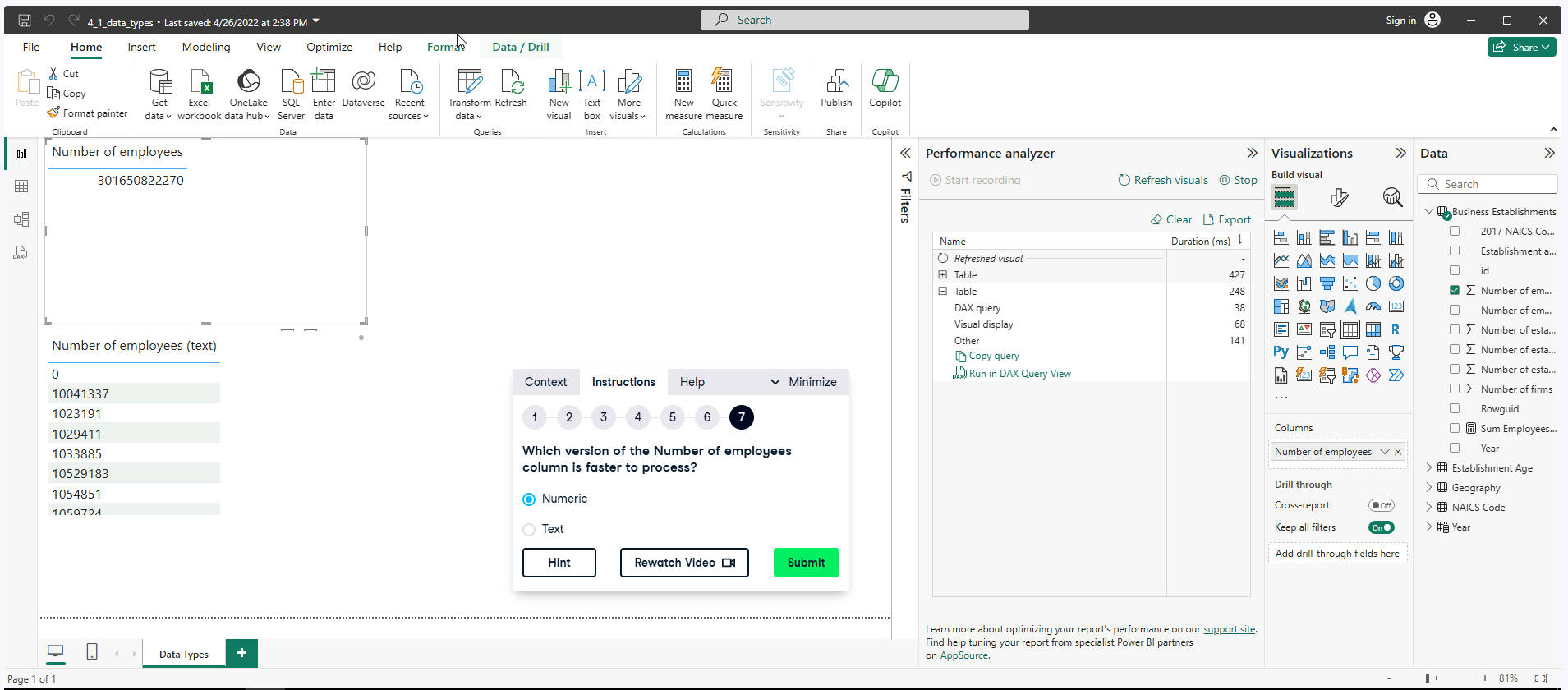
AI-generated content may be incorrect.**

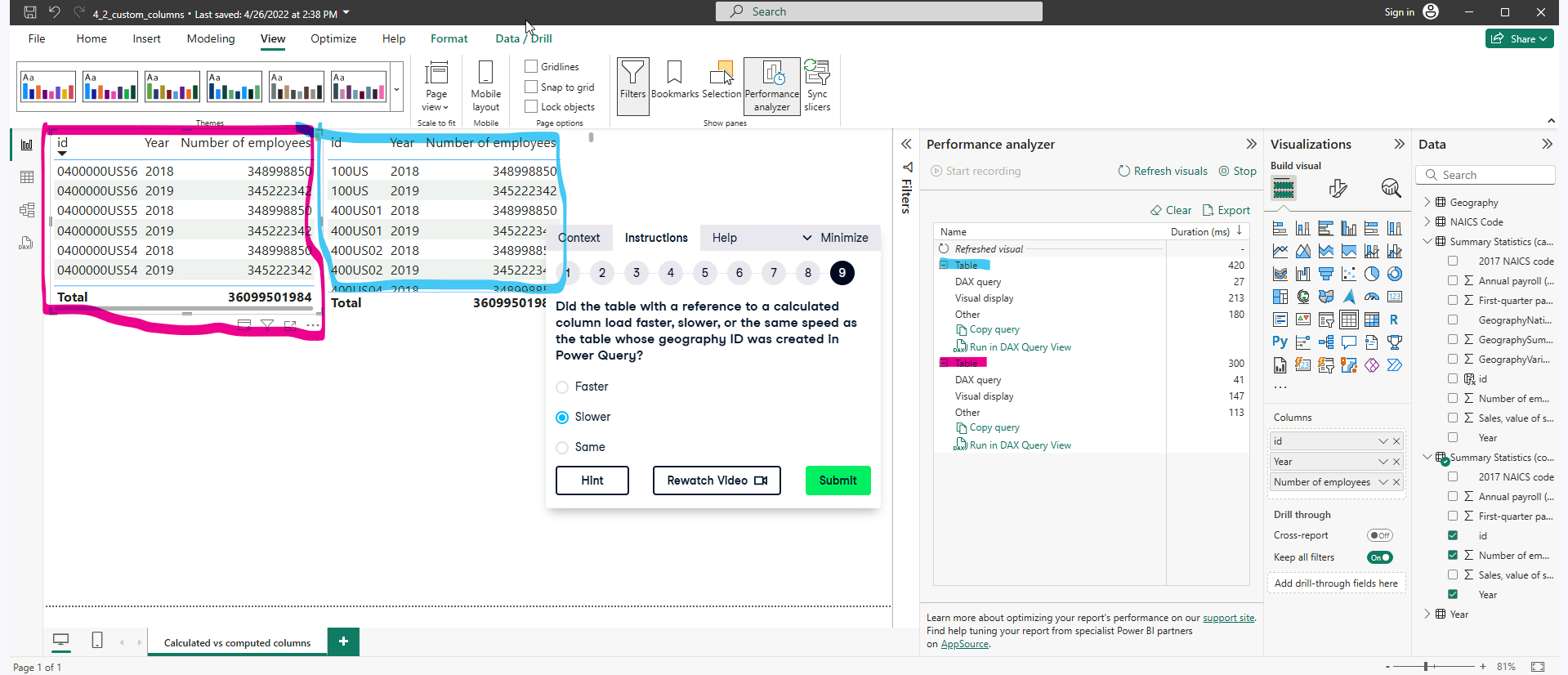
Fix the mistake from Step 3. 

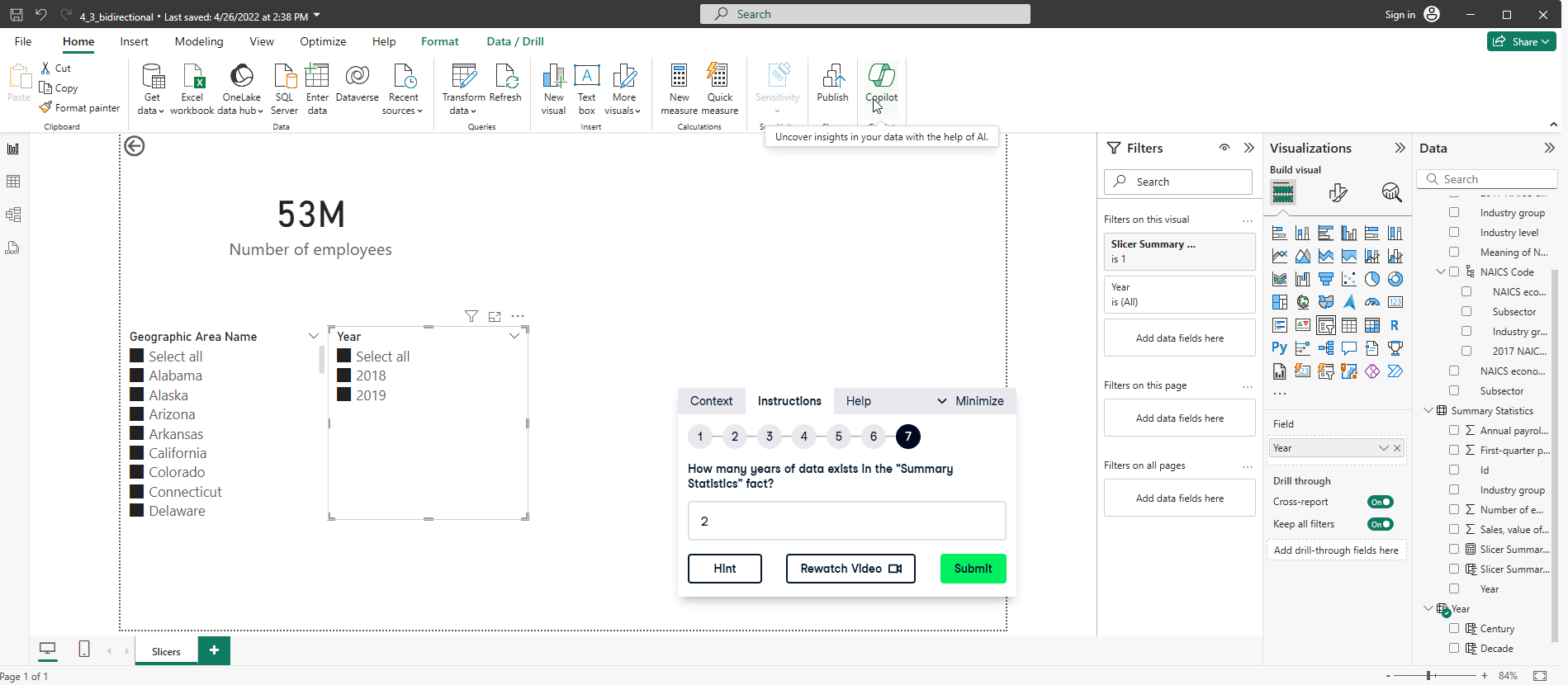
**Identifying Performance Problems**



**Exercise 4.1**

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**Exercise 4.2**

**Exercise 4.3**

Create a new measure called Slicer Summary Stats

*Slicer Summary Stats = INT (NOT ISEMPTY(‘Summary Stats’)) returns values 1 if true, 0 is false.*

Add this Slicer Summary Stats into the Year filter.