First, we need to ask some questions about the dataset we are attempting to analyze and then visualize:

1. How much money the superstore made each year?

**Plot type:** Scatter plot, showing relationship between year and profit and the size of dots showing the quantity of sold products.

**Csv filename**: Profit\_each\_year.csv

1. Who are the top 10 customer which spent the most money in superstore, classify them by ‘segment’?

**Plot type:** Bar chart or scatter plot

**Csv filename**: top\_ten\_customers.csv

1. Make a map showing the state vs the profit

**Csv filename**: State\_profit\_map.csv

1. Make a pie chart showing the region vs profit.

**Csv filename**: region\_profit\_pie.csv

**5.** How much money the superstore made each month since there is available data?

**Plot type:** Scatter plot, showing relationship between year and profit and the size of dots showing the quantity of sold products.

**Csv filename**: Profit\_every\_month.csv

**Steps for Analyze and visualize the Data Base**

1. Convert the DB into csv file 🡪 saving it from excel 🡪 file name: ‘superstore.csv’
2. Create the empty table with the same structure of superstore db, this code is in the .sql file
3. Import the csv file using COPY statement
   1. The csv file must have the decimal numbers with the ‘.’ Separator, to change decimal operators we must:
      1. Click archivo 🡪 opciones 🡪 pestaña avanzadas 🡪 opciones de edición 🡪 desactivar casilla ‘usar separadores del sistema’ 🡪 escribir nuevos separadores.
      2. Column names can’t have spaces, so replace them with ‘\_’
   2. Charge the csv file using the COPY command which has the following structure:

COPY <table\_name> FROM ‘location + file name’ DELIMITER ‘;’ CSV HEADER;

Where:

***<table name>*** – the name of the table you want to import data into.

***‘location + file\_name’*** – the full path to the file you’re importing data from.

***DELIMITER ‘,’*** – specifies the delimiter we use as the comma symbol.

***CSV*** – specifies the format of a file we’re importing data from.

***HEADER*** – specifies that the target file contains a header row that should be skipped during the import process.

🡪 Understand the way to export a table from a query

* It’s pretty the same as with Import, but this time we change FROM for TO. (the code is in VScode file)