**Power BI Week 1 Group Exercise 1**

https://github.com/fenago/cts245X/tree/main/CTS2451IntroToPowerBI/Exercises

Under ***File*** **menu** in Power BI, click on **"Browse Reports"** and open the **report** called `1_0_making_maps.pbix`, from the `Exercises` folder on the desktop. It might take a while to load.

A new report has opened so you can now safely close the `EmptyReport` file. Closing previous files is good practice to ensure Power BI runs smoothly.

You can enlarge the Power BI interface by clicking on the full-screen button in the bottom right corner or by zooming out.

You can also make the canvas area bigger by expanding and collapsing the *Filters*, *Visualizations*, and *Fields* panes by selecting the arrows at the tops of the panes.

**What was the total number of chiller items sold in 2016?**

PART 2:

Time to start loading your own data!

In this exercise, `FactSale.csv` has been loaded and there is already a bar chart with the quantity of items ever sold by Wide World Importers (WWI). This would be more meaningful if we segmented the graph into years. Let's load another data file that contains that informations.

*Note that you can use the undo-button in the top left corner to undo any edits you made.*

- Open `1_1_your_first_viz.pbix` from the `Exercises` folder on the desktop.
- Make sure to close any reports from earlier, as having too many reports open will decrease the speed of the machine.

Using the *Get Data* button, select *Text/CSV* from the list and load `DimDate.csv` from `Datasets/WWI`. Make sure to use the file in the `WWI` folder.

In the *Model* view, create a relationship between `FactSale`'s `Invoice Date Key` and `DimDate`'s `Date`.

- In the *Report* view, **select the existing bar chart** and then select `Calendar Year` from `DimDate` in the *Fields* pane.
- Make sure to use `Calendar Year` instead of `Calendar Year Label`. You can expand the `Fields` pane by dragging its left-hand border.

In the *Visualizations* pane, drag `Calendar Year` to *X-axis* rather than *Y-axis*.

### Based on your resulting visualization, which statement is true?

- ○ Quantity of items sold per year has decreased every year.
- ○ Quantity of items sold per year has remained about the same through all years.
- ○ Quantity of items sold per year has only increased from 2013 to 2015.
- ○ Quantity of items sold per year has been increasing every year.