**2024 Power BI - Lab #4: Moving Averages.**

You are required to build a report and answer a few questions after you are done.

Save this Word file with your CAI as a prefix to the name.  
Use the given “Lab 04 MAV CVX vs XOM.pbix” file as the basis for your analysis.  
Save the resulting pbix file with your CAI prefix as well.  
Store both files into the Lab 03 folder.

Please enter your responses below:

What is the moving average at datapoint April 20, 2020 on CVXs Close price ”?

**Build instructions**

Listen to the video given as a link in the References section below. Read all articles referenced in the same section.  
Open the “Lab 04 MAV CVX vs XOM.pbix” file.  
Examine the dataset: it contains OHLC prices from CVX and XOM.  
Note there are two line charts in the canvas, one loaded with CVX prices and another with XOM.  
Replicate the moving average measure found in the CVX table but into the XOM table to compute the moving average on ExxonMobil data.  
Add the newly created measure to the right-side line chart – in the same way it is found in the CVX table and visual.

**Topics involved**

* Using Line Charts to plot market stock prices
* Intermediate-level DAX
* AVERAGEX and CALCULATE functions

**Visuals**

* Line Chart
* Slicer

**References**

The content is based on this YouTube video – Copyrights is by BI Elite – a popular BI channel.  
[(13) Simple Moving Average (SMA) in Power BI - YouTube](https://www.youtube.com/watch?v=nvv4tPOY8lo)  
Stock quotes series downloaded from finance.yahoo.com.  
[AVERAGEX function (DAX) - DAX | Microsoft Docs](https://docs.microsoft.com/en-us/dax/averagex-function-dax)  
[DATESBETWEEN function (DAX) - DAX | Microsoft Docs](https://docs.microsoft.com/en-us/dax/datesbetween-function-dax)  
[CALCULATE function (DAX) - DAX | Microsoft Docs](https://docs.microsoft.com/en-us/dax/calculate-function-dax)

**End-product screenshot**

Chart

Description automatically generated