

Power BI DAX Fundamentals

Private Workshop Presented by SkyPoint Cloud

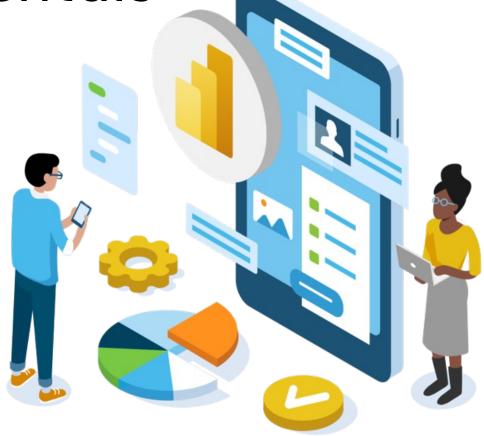
This isn't some ordinary Power BI training. When you train with us, you learn real-world techniques, gain in-demand skills, and experience a magical transformation that drives adoption success.

Learning Power BI with SkyPoint is an unrivaled learning experience that combines consulting and pragmatic training.

We're not just your trainer, we're your strategic partner.









DAX Fundamentals Agenda



Power BI DAX Fundamentals is a 1-day training course for new Power BI authors and SSAS developers who want to learn a foundational set of skills in the DAX querying language. This is an instructor-led class that is focused on learning core concepts of DAX and applying them in a hands-on fashion.

You will learn how to:

- Define DAX and tie it into Power BI
- Build and understand measures
- Think of DAX filters properly as tables
- Create override filters to construct complex measures

Morning Agenda

- Introduction to DAX and Dimensional Modeling
- Understanding and Creating Simple Measures
- Concepts and Basic Application of CALCULATE()
- Concepts and Basic Application of Iterators

Afternoon

- Intermediate Measures Combining CALCULATE() & Iterators
- Skill Integration with Simplified Time Intelligence
- Synthesis of Skills with Full-Time Intelligence

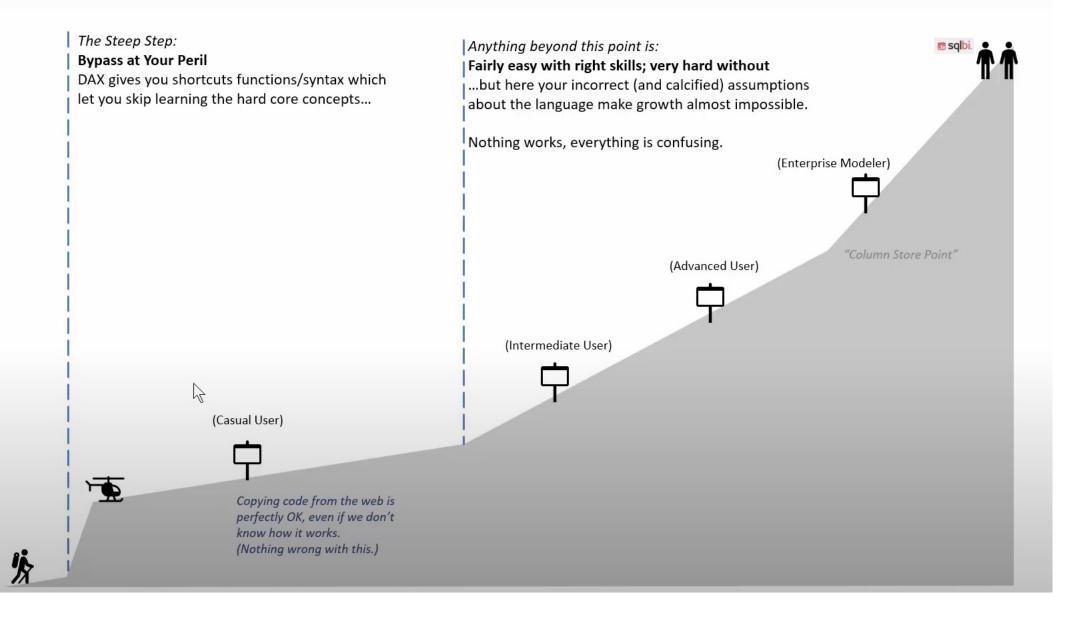
Prerequisites

Beginner/intermediate experience with Power BI or SSAS

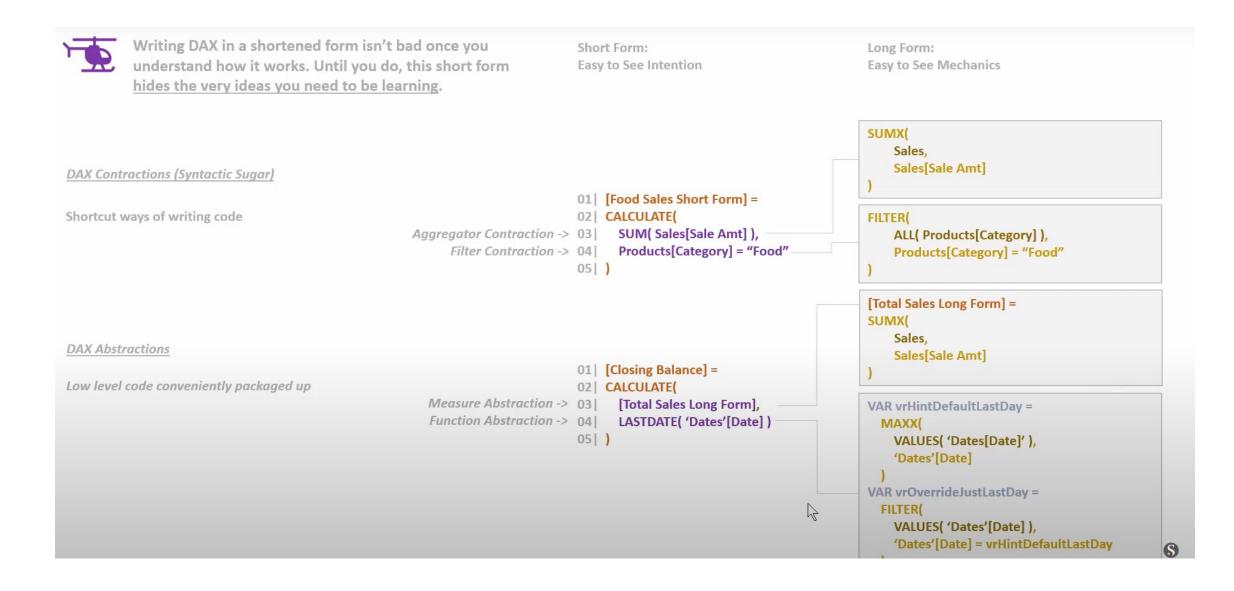
AND any one of the following:

- Experience working with Excel Pivot Tables
- Experience working with Excel Array Formulas
- Experience working with a SQL language





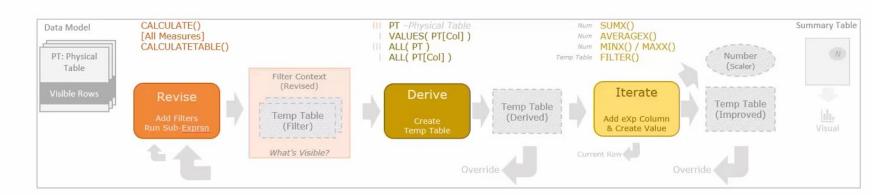






To write DAX at an intermediate level you only need to master:

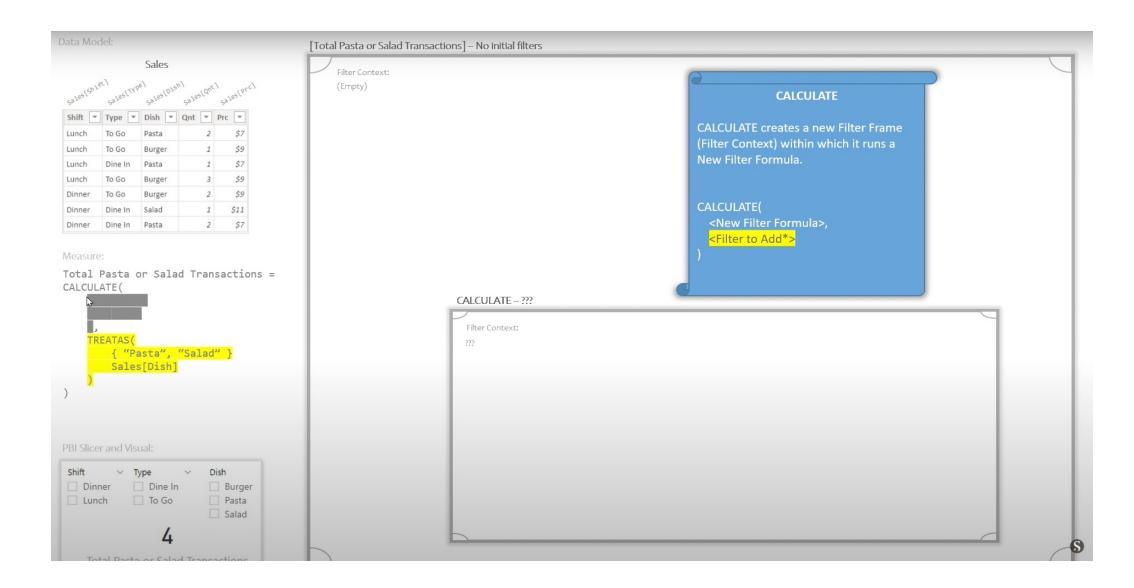
3 Elements
 Families of functions
 and references.
 (DAX's "Parts of Speech")



7 Patterns
 Common arrangements
 of the Elements.

```
"Static Override" Pattern
                                                                                                  [December Transactions] =
    [Oregon Sales] =
                                                [Beverage Margin] =
    CALCULATE(
                                                CALCULATE(
                                                                                                  CALCULATE(
         SUMX(
                                                    SUMX (
                                                                                             03
                                                                                                      SUMX(
                                                        Sales,
             Sales,
                                                                                             04
                                                                                                          Sales,
            Sales[Units] * Sales[Price]
                                                        Sales[Margin]
05
                                                                                             05
                                                                                             06
        FILTER(
                                                    FILTER(
                                                                                             07
07
                                                                                                      FILTER(
                                                        ALL( Products ),
                                                                                                          ALL( 'Dates' [Month Num] ),
08
             ALL( Stores ),
                                                                                             08
                                                        Products[Category] = "Beverage"
             Stores[State] = "OR"
                                                                                                          'Dates' [Month Num] = 12
                                                                                             09
                                                                                             10
11
                                           11 )
                                                                                             11
```







Our Lead Instructor

Make Everyone a Citizen Developer & Achieve Rapid Transformation

This isn't some ordinary training. When you train with us, you learn real-world techniques, gain in-demand skills, and experience a magical transformation that drives adoption success.



Meet Our Lead Instructor

Brian Grant is a masterful Senior Analytics Consultant by day, and a Power BI legend by night. He teaches visualization that is focused on simplicity and understandability of the right measures, paired with a clean compositional layout



Dashboard in a Day

A hands-on 1-day workshop covering the full spectrum capabilities of Power BI and the Power BI service. Learn More



Power BI Fundamentals

A rigorous 1-day or 2-day training course for aspiring report developers and data professionals. <u>Learn More</u>



DAX Fundamentals

A 1-day instructor-led class to develop a foundational set of skills in the DAX querying language. <u>Learn More</u>

See more of Brian's training content on our <u>blog</u> and <u>YouTube channel</u>.