COURSE SYLLABUS

Power Pivot Training Course

This course is designed to guide you through the entire business intelligence workflow, from data preparation to modeling and analysis.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/power-pivot-training



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Course Outline

Advanced Data Modeling Techniques

- Managing Relationships
- Star vs. Snowflake Schema: Best Practices
- Understanding Active/Inactive Relationships
- Role-Playing Dimensions
- Difference Between Calculated Columns vs. Measures

Advanced DAX Functions

- Review Basic DAX: Sum, Count, Average, Distinct Count
- CALCULATE
- FILTER(), ALL(), ALLEXCEPT(), VALUES(), REMOVEFILTERS()
- Time Intelligence Functions (SAMEPERIODLASTYEAR, DATESYTD)
- Dynamic Date Filtering and Custom Calendar Table

Advanced DAX – Part 2

- Introduction to data modeling
- Excel data model
- Database normalization
- Table relationships and cardinality
- Data model best practices

Power Pivot and DAX

- Using USERELATIONSHIP()
- Using VAR for better DAX performance and readability
- YoY % change

KPIs, Advanced Visual Integration & Real-World Scenarios

- Creating KPIs in Power Pivot

- Dynamic Product Ranking, Cumulative Totals
- Data Model Design Best Practices
- Tips for Performance Optimization
- Time Intelligence Best Practices