Looking for an MIS training course for a fraction of the cost, at a new 4 star venue and with lower travel costs? If so, consider this seminar.

**Date:** April 29-May 1, 2019/ Monday through Wednesday  
**Time:** 8:30am to 4:30pm  
**CPE:** 24 CPE credit hours  
**Cost:** $725 IIA members  
$825 non-members  
(includes continental breakfast and lunch)  
**Venue:** Embassy Suites at Destiny USA  
Syracuse, NY

Embassy Suites is just steps from the 6th largest mall in the U.S., providing all kinds of dining and entertainment options for after the training sessions. This brand new hotel features all of the signature amenities offered at Embassy Suites. A limited number of rooms are being held at a reduced rate of $149, until March 31st. This rate includes free made-to-order breakfasts featuring omelets, potatoes, bacon, fruit, pastries and more. Also included are evening receptions featuring complimentary drinks and snacks.

**Course Description**  
**Hands On**  
In this three-day seminar attendees will learn everything they need to effectively integrate data analytics, or CAATs (Computer Assisted Audit Techniques), into an audit process. You will learn how technology can be used to more efficiently and effectively achieve desired results and brainstorm analytics across most major business cycles. You will learn how to progress from basic analytics into a fully automated/repetitive mode, and learn the basics of Continuous Auditing. We will review common hurdles and hear how the most successful organizations in the world have been able to exploit the power of data analysis to achieve visible and sustainable value.

This seminar provides critical experience and content for the audit analytics practitioner. You will get a chance to see how to align your analytics with your department’s vision for the use of data analysis. You will get the opportunity to work on real-world scenarios with sample data files, and practice designing effective tests and critiquing and QAing the work of others.

This is a hands-on course that will be providing data analysis examples using MS Excel. You will need version 2010 at a minimum, versions 2013 or higher are highly preferred. This is a hands on course, and each attendee needs to bring a laptop in order to get the full value from this course.

As the course progresses, you will move quickly from understanding basic analytic techniques such as stratifications, summarizations, and
duplicate identification into more advanced techniques such as fuzzy matching, Benford’s Law, and statistical and regression analysis. You will explore cutting-edge topics such as visual analytics, risk score carding, and spatial analysis. Regardless of the tool you currently use or plan to use in your department - whether generic like MS Excel or MS Access, audit-centric like ACL or IDEA, or more IT-oriented like SQL or SAS - the standard pseudo-code used throughout the course will allow you to easily take what you have learned and quickly code it in your tool of choice.

About the Instructor....

Jim Tarantino, CISA, CRISC, ACDA
Jim Tarantino is a Senior Instructor for MIS Training Institute as well as a Manager at RSM, one of the largest accounting and consulting firms in the world. He has over 20 years of information technology, analytics, audit and GRC experience with a recognized expertise in developing solutions to enable data-driven auditing, risk assessment and investigations. Prior to joining RSM, he was the Client Solutions Director for High Water Advisors, a consulting firm specialized in using technology to help organizations improve governance, risk management, compliance (GRC) and audit processes. He has also held a number of GRC practitioner roles including Solution Lead/Practice Manager for ACL Services, Senior Auditor at RTI International, and various management positions at Nortel Networks implementing a HR analytics program. Mr. Tarantino holds a bachelor’s degree in Psychology and master’s degree in Industrial/Organizational Psychology from North Carolina State University. As a member of the IIA, ISACA and ACFE, he participates in local chapter activities, including serving as an instructor for CISA certification exam preparation.

Registration information
http://www.eiseverywhere.com/387742

Registration deadline is April 1, 2019. Seating is limited, so please register early to reserve your seat.

Cancellations after April 1, 2019 will be non-refundable. Substitutions can be requested at any time up until the time of the seminar.

Any questions, contact Lynn Wilber lwilber@cfglife.com or call 315-471-5656 x74

More Seminar information
Learning Level: Intermediate
Advanced Preparation: None
Field: Auditing
Delivery Method: Group-Live

Who Should Attend:
Internal and External Auditors; IT Auditors; QA personnel; IT Security Managers; Consultants

Seminar Agenda

1. Integrating Data Analytics Across the Audit Process
   • stages of the data analysis process
   • enabling the various stages for data analysis with technology
   • applying data analytics to risk assessment, audit planning, fieldwork and testing, reporting, and follow-up and monitoring

2. Pros and Cons of Common Data Analysis Tools
   • MS Office: MS Excel, MS Access
   • Excel add-ins: PowerBI, TeamMate Analytics, ActiveData
   • audit-centric client/server: ACL, Arbutus, IDEA, InfoZoom
   • statistically-based: IBM Analytics, SAS, Minitab, R
• IT-centric: SQL, Alteryx, Lavastorm
• business intelligence: Cognos, Business-Objects, PowerBI
• specialized: SAP
• dashboarding: Tableau, Qlikview, Spotfire, Lumira

3. Analytic Development Cycle
• design strategy and approach
• analytic planning and design
• data access and validation
• coding/development
• testing/quality assurance (QA)
• script implementation and optimization
• process differences for ad-hoc vs. continuous testing

4. Planning Data Analytics Projects
• brainstorming analytics ideas
• evaluating analytic level of effort and ROI
• prioritizing data analytics for use in audits
• making effective data analytic requests

5. Planning for Data Access
• mapping key systems
• understanding various data access technologies and techniques
• understanding various data formats and file types
• effective negotiation with IT
• data verification procedures
• data security and retention

6. Advanced Analytic Design Techniques
• complex string comparisons and fuzzy matching techniques
• address comparisons
• trending and time series
• Benford’s analysis
• smarter sampling techniques
• statistical and regression analysis

7. Working with Standard Data
• national ID numbers
• vendor identification numbers
• postal codes and address abbreviations
• area codes
• credit card numbers

8. Leveraging External Data Sources
• watchlists
• surveys and benchmarks
• geocoding and address standards
• ISO codes
• industry codes
• social media & web content

9. Reporting and Interpreting Results
• documenting analytics in the audit working papers
• presenting results in a meaningful way
• overlapping results
• analytic precision

10. Developing Appropriate Standards
• naming conventions and scripting guidelines
• code documentation
• requirements definition
• data verification, QA and testing
• security and archiving

11. Making Analytics Repetitive and Continuous
• scripting and automation
• design considerations
• changes to data extraction and analytic logic

12. Advanced Topics and the Evolution of Analytics
• continuous monitoring
• dashboard and visual analytics
• score carding
• predictive analytics
• spatial relationships and mapping

13. Common Analyses in Major Business Processes
• Record-to-Report (R2R)
• Purchase-to-Pay (P2P)
• Forecast-to-Stock (F2S)
• Order-to-Cash (O2C)
• Hire-to-Retire (H2R)
• Process-to-Application (P2A)