



IT179-3D: Data Analytics and Continuous Auditing

Training Description:

The ever-increasing demand on Internal Audit to deliver more—detailed risk assessments, fraud detection and investigation, performance auditing, root cause analysis, and more—often without increased staffing or budget can put tremendous pressure on the audit team.

These demands require us to challenge our audit techniques and begin to leverage technology in our controls testing.

In this hands-on training course, you will use one of the leading data analytics tools to perform real control testing while learning how to design a continuous audit from scratch without having to be a programmer. We will take a commonly performed manual test and learn to automate it. Through a hands-on experience, you will perform all the required steps using a proper data analytics tool to fully automate the process and create a continuous audit. You'll complete the course having created a continuous audit that runs when your organization needs it to.

In this hands-on course you will work through exercises in actual data analytics tools in addition to lecture and live demonstrations. It is recommended that participants should bring laptops (with the ability to install software, or the software already installed) to class to participate in the hands-on exercises.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Importance of planning objectives
- ✓ Determining the level of effort for each of the four stages of data analytics progression
- ✓ Learning how to execute a data discovery walkthrough
- ✓ Designing a continuous audit from a manual test based on a sampling approach
- ✓ Developing new tests to support control objectives
- ✓ Learning how to transition to continuous monitoring
- ✓ Documenting your work without words

Training Designed for:

This course is intended for Internal, financial, operational, and risk management and staff with analytics experience.

Prerequisite:

Fundamentals of Data Analytics or equivalent

Training Requirement:

“Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request.” It is recommended that participants should bring laptops (with the ability to install software, or the software already installed) to class to participate in the hands-on exercises.

This training course is available upon request in English or Arabic, virtual online live or face to face public/inhouse. Content, location and duration can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

THREE DAYS:

- ❖ **Overview of Data Analytics**
 - What is data analytics?
 - CAATs vs. continuous auditing vs. continuous monitoring
 - Why data analytics
 - Data analytics uses in internal audit, in business
 - Automation
 - Implementation process overview
- ❖ **Variables**
 - Overview
 - System-generated vs. user-created
 - Leveraging variables for continuous auditing
- ❖ **Case Study | Planning**
 - Understanding the sample testing procedures
 - Conducting a data discovery interview
 - Brainstorming new tests
 - Documenting clear objectives
- ❖ **Case Study | Preparation**
 - Data access and validation
 - Identifying data integrity issues
 - Determining critical fields to meet objectives
 - Control totals vs. reconciliation
- ❖ **Case Study | Testing**
 - Reviewing data for additional tests
 - Performing tests
- ❖ **Case Study | Review**
 - Compare before analytics vs. after analytics
 - Documentation standards
 - Creating continuous monitoring vs. auditing
 - Future considerations
- ❖ **Case Study | Data Analytics Progression**
 - Create analytics for each of the 4 stages
 - Create automated:
 - Standardized reports
 - Supporting documentation
 - Develop a library of utilities for use with other continuous audits
 - Importance of a development environment vs. a production environment
- ❖ **Course Conclusion**
- ❖ **POST-TEST and EVALUATION**

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

This training course is available upon request in English or Arabic. Content, location and duration can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 30% Workshops & Work Presentations, Techniques
- 20% Based on Case Studies & Practical Exercises
- 20% Videos, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 16:00	Last Session

For training registrations or in-house enquiries, please contact:

aisha@cmc-me.com / training@cmc-me.com

Tel.: +971 2 665 3945 / 643 6653 | Mob.: +971 52 2954615

Training & Career Development Department