



CDO-1 Certificate Program
Foundations for the Chief Data Officers

Option 1:

June 19 (Virtual) & July 17 (On-site at Hyatt Regency Hotel in Cambridge, MA) - \$2,495

Option 2:

June 19 & July 17 (Completely Virtual) - \$1,995



CDO-1 CERTIFICATE PROGRAM AGENDA

Day 1 (Virtual) June 19, 2023 (Monday)	Day 2 (On-site and Live Virtual) – <i>*Attendees can pick either Track A, B, C, or D</i> July 17, 2023 (Monday)			
L1: 8:30 – 9:45 AM Eastern Time Introduction Richard Wang	L7A: 8:30 – 10:15 AM Eastern Time Data Governance, Part 1 Martha Dember	L7B: 8:30 – 10:15 AM Eastern Time Data Mesh - A Modern Decentralized Data Management Concept, Part 1 Anthony Deighton, Mark Clare, Tamr	L7C: 8:30 – 10:15 AM Eastern Time Data Fabric Modak, Part 1 Milind, Mayank and Baz	N/A
9:45 – 10:15 AM Break	10:15 – 10:45 AM Break			
L2: 10:15 – 11:30 AM What is CDO? Richard Wang	L8A: 10:45 AM – 12:15 PM Data Governance, Part 2 Martha Dember	L8B: 10:45 AM – 12:15 PM Data Mesh - A Modern Decentralized Data Management Concept, Part 2 Deighton & Clare, Tamr Case study (Old Mutual)	L8C: 10:45 AM – 12:15 PM Data Fabric Modak, Part 2 Milind, Mayank and Baz	N/A
11:30 AM– 12:45 PM Lunch Break	12:15 PM – 1:00 PM Lunch Break			
L3: 12:45 – 2:00 PM A Cubic Framework for the CDO Yang Lee	L9A: 1:00 – 2:45 PM Data Quality Management, Part 1 Yang Lee	L9B: 1:00 – 2:45 PM Change Management, Part 1 Beth, West Monroe	L9C: 1:00 – 2:45 PM Data Mesh Part 1 Thoughtworks	L9D: 1:00 – 2:45 PM Eastern Time Data Mesh PwC, Part 1
2:00 – 2:30 PM Break	2:45 – 3:15 PM Break			
L4: 2:30 – 3:45 PM Case Study Richard Wang	L10A: 3:15 – 4:45 PM Data Quality Management, Part 2 Yang Lee	L10B: 3:15 – 4:45 PM Change Management, Part 2 Beth, West Monroe	L10C: 3:15 – 4:45 PM Data Mesh Part 2 Thoughtworks	L10D: 3:15 – 4:45 PM Data Mesh PwC, Part 2
3:45 – 4:15 PM Break	4:45 – 5:15 PM Break			
L5: 4:15 – 5:30 PM Panel Discussion: CDOs in Action Randy Bean, Carl Gerber, Mark Ramsey, Derek Strauss, and Maria Villar	L11: 5:15 – 6:30 PM Course Project Presentations All Attendees & Richard Wang			
L6: 5:30 – 6:00 PM Course Project Discussion All Attendees & Richard Wang	L12: 6:30 – 7:00 PM Conclusion & Certificate Ceremony All Attendees & Richard Wang			



Co-Instructors



Martha Dember

Data Management
Professional



Yang Lee

Associate Professor
Faculty Director,
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Richard Wang

Executive Director
@ CDOIQ Program



Randy Bean

Founder/CEO @ NewVantage
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Carl Gerber

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Mark Ramsey

Managing Partner
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Derek Strauss

Co-founder @ Gavroshe



Maria Villar

Head of Enterprise
Data Strategy &
Transformation, SAP



LEARNING OBJECTIVES

Day 1

Sessions	Description
L1: Introduction	The CDO-1 Certificate Program offered by Dr. Richard Wang will explain the definition and landscape of the Chief Data Officer, present data policy, data strategy, data governance, data analytics, data integration, and tools that are immediately deployable by CDOs. The certificate program will also include a required course project that attendees must complete during the one-month course period that can be applied to their enterprise upon completion of the course.
L2: What is CDO?	CDOs deliver business value and clean data to the enterprise. We broadly define CDO as the most senior executive who leads the data vision, mission, and culture across the organization with enterprise-wide governance to utilize information as an asset and deliver data and analytics capabilities in support of business strategy.
L3: A Cubic Framework for the Chief Data Officer	The rise of the chief data officer (CDO) is now well accepted by the government and industries. In this lecture, we present a three-dimensional cubic framework that describes the role of the CDO. The three dimensions are: (1) Collaboration Direction (inwards vs. outwards), (2) Data Space (traditional data vs. big data) and (3) Value Impact (service vs. strategy). We illustrate the framework with examples from early adopters of the CDO role and provide recommendations to help organizations assess and strategize the establishment of their own CDOs.
L4: Case Study	TBD
L5: CDOs in Action Panel Discussion	Dr. Wang will invite prominent data leaders who are current or former CDOs for this interactive session to discuss with attendees about their experiences including success stories and lessons learned.
L6: Course Project Discussion	The CDO-1 course project will benefit the students to develop a roadmap for a data practice during the project period. Students are encouraged to identify new problems/tasks/applications. A virtual class on June 19th will be held for the course project. During this meeting, the course instructor, Dr. Rich Wang will provide an overview of the course & interact with the students to discuss their topics.



Day 2

Sessions	Description
L7A & L8A: Data Governance	<p>Data Governance: Past, Present and Future</p> <p>Data Governance sprang up in response to the needs of quality data highlighted by the implementation of data warehouses. As data lakes, snowflake models and the move to the cloud for example have changed the way data is stored and accessed so to has the way we manage data. This session will begin with understand how and why Data Governance came into existence with an understanding of what worked and what failed over the past 20 years. We will then take a deep dive into where things stand today and end with a glimpse into the future. Attendees will take away from this session:</p> <ol style="list-style-type: none"> 1. An understanding of the core principles that have not changed, standing the test of time. 2. Knowledge of what it takes to sustain a data governance program for the long term. 3. Insight to the trends impacting where the future of data governance is heading.
L9A & L10A: Data Quality Management	TBD
L7B & L8B: Data Mesh - A Modern Decentralized Data Management Concept by Tamr	TBD
L9B & L10B: Change Management by West Monroe	TBD
L7C & L8C: Data Fabric by Modak	TBD
L9C & L10C: Data Mesh by Thoughtworks	TBD
L9D & L10D: Data Mesh by PwC	TBD
L11: Course Project Presentation	Each student is required to write up a 500-word overview of his/her course project. We encourage the students to work together if from the same company. Submit your course project overview to CDOIQ (cdoiq@mit.edu) by June 30th. Prepare a PPT before going to the onsite course and present your approach on July 17th.
L12: Conclusion & Certificate Ceremony	