DAMA NCR-RCN

Monthly Newsletter

May 2023

DAMA NCR's Chapter Meeting

Chapter meetings are held quarterly, on the second Wednesday of the month. Next Chapter meeting will be on June 2023; the invitation, presentation details, and agenda for next meeting will be forthcoming.

Please stay connected and **subscribe** to receive the monthly newsletter and emails from the NRC-RCN Chapter.

DAMA NCR Job Postings Forum

DAMA NCR created a **Job Postings Forum** to help members advertise available data-related job opportunities within their organizations to the DAMA NCR community. We maintain a distribution list of approximately 200 data community members in the NCR and hope this forum assists in facilitating resourcing demands. Subscribe to the Job Postings Forum to receive updates.

Education & Programs

Visit the Membership Portal's **Resources** to access discount codes and the **Upcoming & Past Events** page for consolidated events calendar. Login into your account for exclusive access.

Interested in enhancing your professional credibility and expertise, while networking with data management professional across Canada? DAMA Canada is hosting it's 2023 Certified Data Management Professional (CDMP) Study Group.
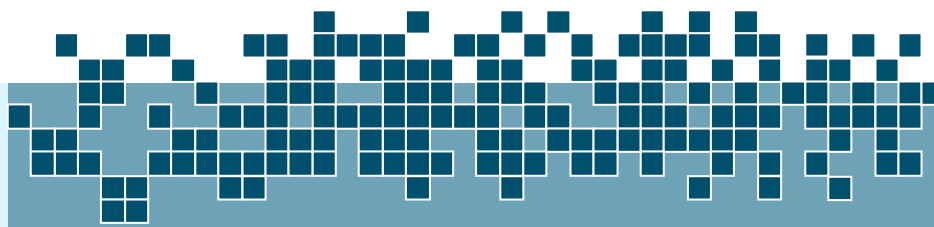
DAMA NRC-RCN Store

Welcome to the **DAMA NRC-RCN online store**. Browse the selection of items available for purchase. DAMA members get a discount on all current books on offer.

Upcoming Events and Conferences

DAMA NCR-RCN Data and Drinks, (Registration – Free event). Tuesday May 16th, 2023, 6:00 to 8:00 PM at 10 Fourteen Bar – 1014 Wellington St. West, Ottawa.
DAMA NCR-RCN is hosting monthly social events every third Tuesday of each month. Come join data professionals from the National Capital Region to socialize, strengthen business connections, get fresh ideas, and raise your professional profile.

DAMA NCR-RCN Canada's 2023 CDMP Study Group, ([Virtual](#)) Wednesday, May 17th[th], 2023, 19:30 to 21:00 (EST).

Join data professionals from across Canada in an online environment to prepare for the Data Management Fundamentals Exam - the exam required to earn your CDMP certification (Associate). [Registration required](#), Members $50.00, non-members $125.00; once registered, the link to the sessions will be provided to participants.

DATAVERSITY Demo Day – MDM ([Registration – Virtual event](#)). Wednesday, May 17th[th], 2023, 11:00 am to 3:00 pm EDT.

Five vendor-led sessions on: Augmented Data Management and OpenAI, unified data platforms, Data Fabric, MDM SaaS, and Data Integrity for master data. Full [agenda](#) available.

How to Liberate Your Enterprise Data for Cloud Analytics, Insight and Reporting ([Registration – Virtual event](#)). Thursday, May 18th[th], 2023, 1:00pm EDT.

Cloud platforms have revolutionized the world of analytics, but many companies still face challenges in transferring their most valuable and comprehensive data, which is stored in enterprise systems, to these cutting-edge cloud data environments.

Building a Semantic Lakehouse for Supply Chain & Manufacturing, ([Registration – Virtual event](#)). Wednesday, May 24th[th], 2023, 2:00 pm EDT.

Learn how a lakehouse architecture coupled with a modern semantic layer platform democratizes access to large scale data for all consumers using tools like Power BI, Tableau and Excel without needing to move data.

Transforming Data Management for the Cloud, ([Registration – Virtual event](#)). Thursday, May 25th[th], 2023, 12:00 to 3:00pm EDT.

Fast Data Strategy Virtual Summit is back for its 8th year bringing together industry leaders and data experts who will share their experiences and provide actionable insights for modern data strategies to address opportunities and challenges of today's cloud and on-premises distributed data.

MarkLogic Community Program – Launch event ([Registration – Virtual event](#)). Thursday, May 25th[th], 2023, 9:00 am EDT.

The series will include discussions of data-related subjects, real-world experiences from our customers and partners, talks from industry experts, spotlights on key features, as well as Q&A sessions to share ideas, discuss challenges, and pool our collective knowledge from the community as a whole.

DAMA NCR-RCN 2023 Lunch and Learn Session, ([Registration – Virtual event](#)). Wednesday, May 31st[st], 2023, 12:05 to 12:55 pm EDT.

Alison Paprica is Professor (Adjunct) and a Senior Fellow at the University of Toronto's Institute for Health Policy, Management and Evaluation. Separately, she is Principal of the boutique consultancy Research Project Management, a Senior Fellow at Massey College, and a member of the International Advisory Board for Health Data Research UK. The session will be recorded; however, the recording and presentation will be available only to DAMA NCR-RCN members.

Data Governance & Information Quality (DGIQ) Conference, (Registration – in-person, and non-attendee packages). June 5-9, 2023. San Diego.

With 20+ in-depth tutorials, workshops, and seminars by world-class experts, 30+ case studies, and several conference tracks, you will find plenty of information for everyone, no matter where you are in your Data Governance journey. Tools are valuable, but the factors that really lead to the acceptance and uptake of Data Governance are culture, data literacy, stewardship, communication, and change management. Agenda, full schedule available; in-person full conference plus tutorials and two-day seminar US$3,995.

Roadshow Data Management & Analytics (Registration – in-person). Tuesday June 6th, 2023. Location TBD.

With the rapid growth and use of data, it's more important than ever to have a solid data foundation built on a sustainable data strategy. This event is the perfect opportunity for data leaders and professionals to stay ahead of the curve, update and renew their data strategies, and ensure that data and analytics are driving value in their organization.

Canadian Federal Forum 2023: Accelerating Digital Transformation for a Future-Ready Government (Registration – in-person). Wednesday, June 14, 2023. 8:00 am – 4:35pm EDT. National Arts Center, 1 Elgin St., Ottawa, ON.

The 4th annual Canadian Federal Forum will explore the sustained advancement in technology delivering value, innovation, collaboration and process excellence. The program will highlight how these high-impact services and tools are creating a future-ready government today. Full agenda available.

Working Across the Unstructured/Structured Data Boundary (Watch – on-demand).

Organizations are able to cope with the exponential growth in human data—text, audio, video and images using OpenText IDOL, with 100% coverage of all the data they own across 150+ repositories and 1500+ file types, providing a 360-degree view of their data. Plus, it's massively scalable, providing real-time insight safely and securely.

2023 Semantic Layer Summit On-Demand Sessions (Watch – on-demand).

Sessions explore the importance and impact of using a semantic layer for data and analytics. Hear from top data leaders, technologists, and industry experts on how to deliver actionable insights for everyone in any organization. Learn from 50+ data leaders and industry technologists on building a scalable enterprise data strategy. More than 30+ sessions available.

UN World Data Forum 2023 (Watch – on-demand).

Event recordings are now available on the social networking platform, use code **unwdfapril2023** to register or download the App (IOS | Android) and the UNStats YouTube Channel under the UN World Data Forum 2023: Interviews and clips and UN World Data Forum 2023: Programme event recordings playlists.

Articles

Domain-Driven Development: Part 1 - Bounded Contexts / Ubiquitous Language. Description on how a well-constructed data model can add value to a DDD project by helping to create the Ubiquitous Language that defines the Bounded Context in which application development occurs.

Domain-Driven Development: Part 2 - Canonical Data Models and Overlapping Connections. Importance of modeling and persisting data at as high a level as possible, to ensure that services don't have to make multiple calls to different subdomains to get fragments of data for a canonical data entity and then translate that data into a useable form for the application.

Domain-Driven Development : Part 3 - MDD and Analysis vs. Code Models. Discussion of various issues around the physical persistence and virtual representation of data in databases and other types of data stores.

Domain-Driven Development: Part 4 - Data Mesh and Data as a Product. Explore two subjects of interest: an approach to data architecture called Data Mesh, and the idea of Data as a Product.

Data Architecture 101. The term "data architecture" is defined as a set of models, policies, rules, and standards governing data flow and management within an organization. Thus, data architecture, a subset of enterprise architecture, involves the operating rules governing data-related activities like data capture, data storage, data integration, and data usage.

Transform With Trusted Data: How Good Governance Accelerates Your Data Culture. Demystify data governance by exploring holistic approaches that establish organizational goals for IT oversight of trusted data.

Using Data Privacy to Scale Up Your Governance Strategy. It is a data-driven and digital world out there! Information is one of the most important strategic assets of an organization.

16 Internal Data Management Best Practices. In today's digital world, data is undoubtedly a valuable resource that has the power to transform businesses and industries. As the saying goes, "data is the new oil." However, in order for data to be truly useful, it needs to be managed effectively.

Create a Thorough Plan and Training Strategy for Citizen Data Scientists. While business journals and industry and technology publications discuss the advantages of the citizen data scientist approach, many businesses fail to get the most out of the initiative.

Data Stewards Should Get a Raise. Stewarding the data is part of their normal overall responsibility... although more money in their pocket is not often the first direct result. There are other raises that people receive by becoming data stewards.

Business User Analytics: The Do's and Don'ts of Success. When a business decides to tackle data democratization and bring data analytics to its business users, it can often fail to plan comprehensively for success.

How AI Is Modernizing Online Transactions. Braving the global pandemic for the past two years has changed online transactions for consumers and businesses alike. As a result, the digitization of customer online activity with retailers and other businesses has become the preferred way to engage.

Edge Computing: An Overview. Edge computing (EC) allows data generated by the Internet of Things (IoT) to be processed near its source, rather than sending the data great distances, to data centers or a cloud. More specifically, edge computing uses a network of micro-data stations to process or store the data locally, within a range of 100 square feet.

Optimizing the Cost of Azure Storage. Microsoft Azure Storage is a cloud-based storage service that provides organizations with a variety of storage solutions. Azure Storage provides: a) Cloud-based file sharing; b) Message storage; c) NoSQL storage; d) Virtual machine disk storage; and e) Highly scalable object storage.

Solving Three Data Problems with Data Observability. Data collection, while crucial to the overall functionality and health of a business, does not automatically lead to success. If data processes are not at peak performance and efficiency, businesses are just collecting massive stores of data for no reason. Data without insight is useless, and the energy spent collecting it, is wasted.

Developing a Digital Transformation Roadmap. Digital transformation is about more than just digital technologies. It is also about organizations adopting new cultures, structures, and processes that will align with IT architecture, leading to comprehensive digital solutions. A digital transformation roadmap is defined as a process illustrating how an organization can adopt digital technologies to meet business objectives.

Why the Cloud-Native Enterprise Is the Future of Business. The pandemic has been a test for many businesses, especially when it comes to their agility, adaptability, and resilience. The ongoing crisis has shown that organizations must be equipped to rapidly respond to unexpected crises – be they cyberattacks, natural disasters, or even a global pandemic.

Make the Journey to the Data Intelligence Promised Land, Securely. To take an organizations to the next level, C-level executives are faced with the compelling need to make sense of their data, generate data intelligence, and create a higher-level understanding of their customers and business.

5 Ways Data Can Help Save the Planet. A sustainable and equitable world is the holy grail – a world in which planet comes before profit; where equality, diversity, and inclusion are a prerequisite; and where ethics are baked into every aspect of our society and business.

Conceptual Data Modeling: An Examination of Trends. John Singer wonders if Conceptual Data Modeling can save IT from itself. "I definitely think that we need a bit of saving. We need a little help in terms of how we build systems, especially from a data perspective."

Unlocking the Value of Hidden, Unstructured Data. Data is the fuel of the fourth industrial revolution. Data is the lifeblood of the enterprise. Data powers the information age.

Data Science vs. Decision Science: A New Era Dawns. In Data Science, a variety of advanced technologies like data mining, statistics, predictive analytics, AI, and machine learning are used in conjunction to deliver solutions for business problems.

How Enterprises Can Leverage Data Observability for Digital Transformation. Data is becoming increasingly relevant in our everyday lives, and larger companies invest heavily to acquire, store, and manage that data.

Moving to Distributed Systems Can Ease the Path to Cloud Infrastructure. Companies plan to increase their spending on cloud infrastructure but may be slowing down on taking a "cloud-first" approach.

High-Fidelity, Persistent Data Storage and Replay. Actionable data lost to time. How are we still talking about this? With incredible advances in data storage and processing, cloud-native solutions supporting streaming ingestion, and convergence of the data warehouse and data lake into the big-data-analytics-ready lakehouse, how can this possibly still be a challenge?

Data Science Metrics: Purpose and Uses. When one thinks of "metrics" in the context of Data Science, the term might denote raw numbers as in descriptive metrics, qualitative labels as in marketing analytics, or comparative labels as in website analytics.

Not Every Database Is the Same: Graph vs. Relational. Data creation will grow to more than 180 zettabytes by 2025, which is about 118.8 zettabytes more than in 2020. This vast, and ever-increasing, volume of data is creating havoc for organizations that need to streamline data integration, lower the cost of data storage, and power downstream analytics.

Cloud Migration Best Practices. Organizations are migrating to the cloud because of various benefits: reduced administrative overhead, flexibility of expanding or contracting storage requirements at the push of a button, visible operational cost savings – and all without buying or retiring physical servers at the data center.

The Data Integration Cloud Modernization Playbook. To get a comprehensive breakdown of a cloud modernization journey, including key guidance such as: a) Why enterprises need to modernize their data integration solution in conjunction with legacy data warehouse architectures to maximize value from their Cloud Data warehouse (CDW) platforms; b) Best practices for reducing risk while minimizing disruption to ongoing business operations amidst migration; and c) Recommendations for the adoption of automated mapping conversion utility and modernization functions. (DOWNLOAD DOCUMENT)

Five Ways Decision Intelligence Helps Accelerate Data-Driven Decision-Making. Decision intelligence is an approach that can help ease the burden of data analysis and empower every individual to make insights-driven decisions. Decision intelligence augments human decision-making with AI/ML to generate faster, better business insights from enterprise data.

Active Learning and Its Benefits to Machine Learning Models. Supervised machine learning (ML) models such as classification models that are trained to predict the outcome of an instance (for example, approve or deny loan) are required to maintain high accuracy in production environment – making sure that there are more true positives, true negatives and fewer false positives, false negatives. In order to maintain optimal ML model performance, these models need to be re-trained on a regular basis to avoid any performance degradation issues.

The Intersection of Self-Service Analytics and Machine Learning. The terms "self-service analytics" (SSA) and "machine learning" (ML) are frequently used interchangeably, but the concepts behind these terms are a world apart. In self-service analytics, specific tools are designed to aid the user in inputting data or interpreting results (output).

Integrated Deployment – Deploying an AutoML Application with Guided Analytics. A close look at how verified components are used in integrated deployment based on the example of an autoML component.

How to Start Using AI at Your Company. Many organizations hire a data scientist or an entire AI team with an anticipation of a fast, massive, magical gain.