



## Monthly Newsletter

October 2023

### DAMA NCR's Chapter Meeting

Chapter meetings are held quarterly, on the second Wednesday of the month. Next Chapter meeting will be on December 13, 2023 from 17:30 to 18:30; the invitation, presentation details, and agenda for next meeting are forthcoming. You must **register** to attend the virtual event.

Stay connected and [subscribe](#) to receive the monthly newsletter and emails from the NCR-RCN Chapter.

### DAMA NCR Job Postings Forum

The DAMA NCR [Job Postings Forum](#) helps members advertise their available data-related job opportunities to the DAMA NCR community. We maintain a distribution list of approximately 200 data community members in the NCR and hope this 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.

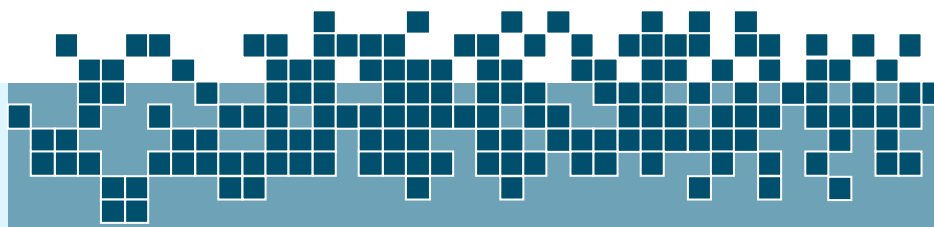
### DAMA NCR-RCN Store

Welcome to the [DAMA NCR-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 Days Canada II Conference ([In-person](#)).** **Thursday, November 2nd to 3rd, 2023. Ottawa**  
Join 30 multiple-track sessions over two days. It will cover all aspects of the Data Management (DM) profession. Bonus sessions on Data Monetization, Data Privacy and Data Strategy. Keynote speakers are [Peter Aiken](#) – President, DAMA International and Associate Professor of Information Systems, Virginia Commonwealth University; [Dominic Parent](#) – Chief Data Officer, Environment and Climate Change Canada; [Trevor Banks](#) – Organizational Development Manager, Treasury Board of Canada Secretariat (TBS); and [John Walsh](#) – Founder, Action-DataAnalyticsAI. Detailed [agenda](#) to come.

**Better Data Governance for Responsible AI ([Virtual event](#)).** **Tuesday, October 17<sup>th</sup>, 2023, 14:00 EST.**  
Data governance and responsible AI are essential for businesses of all sizes to succeed in the digital age. In this event will cover best practices for data governance, provide insights on how data governance can help your responsible AI.





**DATAVERSITY Demo Day – Data Governance Tools ([Virtual event](#)). Wednesday, October 18<sup>th</sup>, 2023, 11:00 AM to 13:45 EST.**

A vendor-driven online event that gives you an opportunity to learn more about the available tools and services directly from the vendors that could contribute to your Data Governance program's success. [Agenda-at-glance](#).

**Why Semantic Knowledge is Crucial for Trustworthy Enterprise AI ([Virtual event](#)). Wednesday, October 18<sup>th</sup>, 2023, 14:00 EST.**

The development of large language models (LLMs) has opened up new possibilities for enterprises, enabling them to leverage human expertise at a machine scale. However, this technology also poses challenges, particularly in terms of inaccurate responses generated by Generative AI.

**Big Data and AI Toronto ([In-person event](#)). October 18<sup>th</sup>-19<sup>th</sup>, 2023, Metro Toronto Convention Centre.**

This event brings together big data, AI, cloud and cybersecurity. Some of the topics include the AI dominance determining the next global power; preparing greener tech for future regulations and pushing the limits of neuroscience with new datasets. Cost: \$750+Tax, free attendance for the Expo.

**Driving Transformation with Data Mesh ([Virtual event](#)). Thursday, October 19<sup>th</sup>, 2023, 11:00 EST.**

For many, data mesh architectures remain an aspiration rather than an achievable reality – but does it need to be that way? In this roundtable, industry pioneers will discuss the rapid adoption of data mesh architectures, implementation challenges, and how modern teams are achieving successful implementations.

**Build Your Own Data Governance Framework ([Virtual event](#)). Thursday, October 19<sup>th</sup>, 2023, 14:00 EST.**

Learn effective Data Governance framework that addresses the core components of program delivery, cross-referenced against the people and levels of the organization. Understanding and planning for each core component at each level simplifies the understanding of what it takes to build and sustain a successful Data Governance program.

**revAlation Chicago 2023: Where data users become data radicals. ([In-person event](#)). October 23-24<sup>th</sup> 2023, Venue SIX10, Chicago, IL.**

Learn from the people using data to see things nobody else can. Get the latest insights on data-driven decision-making to power innovation. [Agenda-at-a-Glance](#), Registration cost not available.

**Enterprise Analytics Online ([Virtual event](#)). Wednesday, October 25<sup>th</sup>, 2023.**

This in-depth educational program is designed to teach anyone working with data to execute and implement a successful Data Analytics program. Presentations for the 2023 event will focus on Artificial Intelligence, ethics, Deep Learning, and Analytics Governance. [Agenda-at-Glance](#).

**Designing Data for Business Intelligence and Analytics – Where the Star Schema Fits in a Modern Data Architecture ([Virtual event](#)). Thursday, October 26, 2023, 14:00 EST.**

With the myriad of technical options available, what is the best technical architecture to support today's advanced analytics and reporting needs? Does the star schema still have a place?





**Data Mesh Architecture: From Theory to Implementation ([Virtual event](#)). Thursday, October 26, 2023, 12:00 pm EST.**

Discover how breaking free from traditional, monolithic data architectures can empower an organization to scale efficiently and drive innovation.

**Data Visualization & Storytelling for Government ([Virtual event](#)). October 31<sup>st</sup> to November 1<sup>st</sup>, 2023.**

Communicating and persuading effectively with data is an increasingly invaluable skill for driving change in the public sector. Data Visualisation & Storytelling for Government will unveil key strategies for using data analysis to create compelling communication to inform and influence decision-makers. Registration \$895 USD+tax, [agenda-at-glance](#). \* Registration for this training is exclusively for professionals currently working within the Public Sector.

**Data Quality: The ROI of Adding Intelligence to Data ([Virtual event](#)). Thursday, November 9<sup>th</sup>, 2023, 14:00 EDT.**

Data Quality is an elusive subject that can defy measurement and yet be critical enough to derail any project, strategic initiative, or even company. The data layer of an organization is a critical component because it is so easy to initially ignore the quality of data or make overly optimistic assumptions about its efficacy.

## Articles

[Preparing for Compliance With AI, Data Privacy Laws](#). A growing number of data privacy laws in the United States and in the European Union (EU) mean businesses must ensure they're in compliance with regulations affecting personal data of employees and are offering clarity and consent options when it comes to the use of AI-based decision making.

[8 Ways to Put ChatGPT to Work for Your Business](#). Love it or loathe it, ChatGPT has generated a great deal of controversy over the past few weeks. Lost in all the uproar is how the powerful new AI chatbot technology can help businesses work more efficiently and productively.

[The Marriage of Metadata and Data Governance](#). In order to be successful in data governance, you need to be successful at metadata management.

[Developing a Mission for Data Governance](#). Just as organizations require a vision for data governance it is important to have a mission for the data governance program as well. We breakdown how mission and vision statements are complementary and not synonymous for a data governance program.

[Data Governance for Modern Organizations, Part 1](#). Traditionally, data governance has been defined as managing data integrity and the access of enterprise systems. Usually it consists of a centralized team with a steering committee, data stewards, process workflows and policies.

[Data Governance for Modern Organizations, Part 2](#). Data is now easy to make, but hard to find and control. The intention is to provide a framework of recommendations that combat this problem.





**[Features Every Data Catalog Needs.](#)** In today’s data-driven world, organizations are demanding and consuming vast amounts of data — data that needs to be easily accessed, analyzed, and presented in a way that enables quick action.

**[Zen and The Art of Data Maintenance: Data ‘Mine’ing and Universal Data Semantics.](#)** There is a great deal of talk in our industry about the importance of having common, standard data semantics and language and the value this brings.

**[Zen and the Art of Data Maintenance: Big Data, More Data, BIG Issue.](#)** We are culturally conditioned to want more. More money, more fun, more pleasure, more accomplishment, more intelligence, and yes, more data. There is an idea that if we get more, we will be happier and more successful. The need for more fuels consumerism and business.

**[Zen and the Art of Data Maintenance: People Silos Cause Data Silos.](#)** With the exponential growth of data from so many different sources, data silos (or in other words, separate unintegrated data stores) are more prevalent than ever.

**[Zen and the Art of Data Maintenance: Situational Fluency in Data Management.](#)** A job in data management can certainly be challenging. And an infinite number of situations could arise from any task in any context.

**[Master Data Management Best Practices.](#)** Modern businesses can stay competitive by using the best practices for master data management (MDM). These best practices promote the use of clean, accurate data about suppliers, customers, and products.

**[A 12-Step Program for Improving Data Literacy.](#)** In a digitally obsessed economy, it has become all too prevalent for knowledge workers to assume that data problems are best solved with newer and better tech. In fact, the most powerful solutions for maximizing business value are right under the noses of management – in the form of improving data literacy skills.

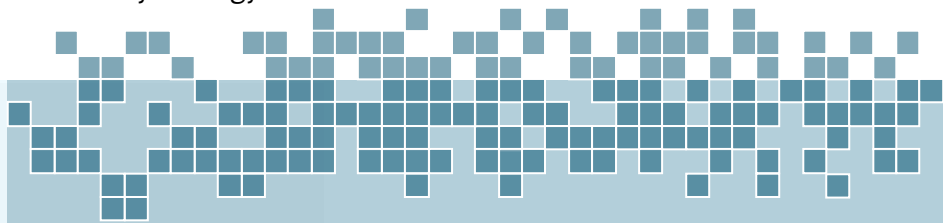
**[Is ChatGPT More ‘Star Wars’ or ‘Black Mirror’ in Cybersecurity?](#)** Just as AI can be used to drive cyberattacks, it could also be tapped for defense. “More than half of the threat engines in Check Point are AI,” Shwed said, then shared his perspective that 2023 might be a tipping point where AI becomes an important part of everyone’s daily lives.

**[Operations Managers: The Unsung Heroes of MLOps.](#)** Operations managers play a critical role in the MLOps life cycle. Without the proper infrastructure, the number of CPU nodes, or security checks, models, and applications built by data science and development teams are more likely to fail – if they even reach the deployment phase.

**[What Technologies Should I Include in My Digital Transformation Strategy?](#)** If an enterprise is about to undertake a digital transformation (Dx) project, they should understand that these initiatives require a focus on more than the technology itself.

**[Autodesk uses the Denodo Platform as a Logical Data Warehouse.](#)** A case study shows how this strategy successfully transformed their revenue model from perpetual licensing to subscription based licensing and improved their entire organization's agility, performance and profitability. (DOWNLOAD DOCUMENT)

**[Why Your Organization Needs to Embrace Data Resiliency.](#)** Lost data can mean lost revenue, lost time, lost business partners, and – in extreme cases – a lost business. Ensuring that critical data is always safe, available, and secure requires a comprehensive data resiliency strategy.





**[My Former Employee is Sharing Confidential Information—Help!](#)** As an employer, the worst fears may be that a disgruntled or entrepreneurial former employee may try to share internal operations, documents, or trade secrets. What to do to protect a business in these situations may not always be clear.

**[Does Your Disaster Recovery Plan Really Work?](#)** In June, 2021, a research study sponsored by iland and Zerto revealed that only 54% of organizations had a formal disaster recovery plan, less than half of those tested their plans on at least an annual basis, and 7% of organizations never tested their DR plans at all.

**[How to Work with Unstructured Data in Python.](#)** All online actions generate data. Even if we do not write posts, comment, or upload other content, we leave our traces by being silent observers. This leads to predictable results – according to Statista, the amount of data generated globally is expected to surpass 180 zettabytes in 2025.

**[Data Pipelines: An Overview.](#)** The value of connecting data systems with pipelines continues to grow as companies need to consume lots of streaming data faster, served out in various formats. So, managers who understand data pipelines at a high level can better move raw data toward the information seen on dashboards or reports, most economically.

**[Data Sharing Marketplaces for Dummies.](#)** It is no secret that to fuel data-driven decision-making, businesses need exceptional insights. To create them, the right people need fast, easy access to trusted, quality data. Unlock new insights in just a few clicks with a data sharing marketplace. (DOWNLOAD DOCUMENT)

**[What is data lineage?](#)** Techniques, best practices and tools. Organizations can bolster data governance efforts by tracking the lineage of data in their systems. Get advice on how to do so and how data lineage tools can help.

**[Privacy Engineering’s Enhanced Role in Data Security.](#)** As powerful as data can be, it can be equally volatile if its privacy is compromised. Today’s organizations cannot truly become data-driven without placing a conscious focus on data privacy.

**[Privacy and Security for Different Levels of Data Maturity.](#)** Each organization’s data initiatives mature at their own pace. With this in mind, it can be difficult to figure out which protective measures are best suited for an organization’s needs and capabilities. This guide offers privacy and security measures to fit a range of developing levels of data maturity.

**[Merging Fast and Slow Data for a Full View of Human Intent.](#)** The digital industry has evolved massively and consistently over the years, often taking off in surprising directions. But one thing has remained constant: The role that data plays in driving business success has only grown.

**[What Makes a Data Element Critical? The Story of the CDE.](#)** There are always new terms being introduced in the data world. While newfangled terms like “data mesh” and “data fabric” require lengthy descriptions, the term “critical data element” or CDE is easier to explain.

**[Data Drift vs. Concept Drift: What Is the Difference?](#)** Model drift occurs when the performance of a machine learning model degrades with time. This happens for various reasons, including data distribution changes, changes in the goals or objectives of the model, or changes to the environment in which the model is operating. There are two main types of model drift that can occur: data drift and concept drift.

**[Testing and Monitoring Data Pipelines: Part One.](#)** Data tests can be implemented throughout a data pipeline, from the ingestion point to the destination, but some trade-offs are involved.





**[Testing and Monitoring Data Pipelines: Part Two](#)**. Data testing can specifically test a data object (e.g., table, column, metadata) at one particular point in the data pipeline. While this technique is practical for in-database verifications – as tests are embedded directly in their data modeling efforts – it is tedious and time-consuming when end-to-end data pipelines are to be examined.

**[Should You Consider a Unified Data Model?](#)** A unified data model allows businesses to make better-informed decisions. How? By providing organizations with a more comprehensive view of the data sources they are using, which makes it easier to understand their customers’ experiences.

**[7 Common Data Quality Problems](#)**. Having Data Quality problems is a common – and costly – issue. According to Gartner, poor-quality data costs organizations an average of \$12.9 million annually. Data Quality uses factors such as accuracy, consistency, and completeness in determining the value of the data.

**[Unleashing the Full Potential of Your Data Ecosystem](#)**. The logical data management space is not new, with many established technologies and new product categories. Explore the strengths and limitations of three popular approaches to integrating and managing distributed data to help you make an informed decision: a) Data Lake Engine (also known as Query Accelerators); b) Data virtualization; and c) Data Fabric. (DOWNLOAD DOCUMENT)

**[New EU Digital ID Wallet Briefing](#)**. Synthetic Identity Fraud (SIF) is the leading threat to organizations and has overtaken identity theft in frequency and complexity, accounting for 80-85% of all identity fraud cases. SIF evades traditional detection models, making it challenging to combat. (DOWNLOAD DOCUMENT)

**[Demystifying Biometric Face Verification](#)**. Biometric face verification solutions are not created equal; they vary significantly in their performance, accessibility, inclusivity and protection against evolving attack vectors. In our latest eBook, we detail the different biometric face verification technologies on the market and highlight the technologies and their suitability for different use cases and risk profiles. (DOWNLOAD DOCUMENT)

**[EU-US Data Transfers: Get to know the Data Privacy Framework](#)**. This resource kit offers a range of materials to help you spread an understanding of the EU-US DPF and raise awareness of its importance across stakeholders in your organization. (DOWNLOAD DOCUMENT)

**[The 7 principles of Privacy by Design](#)**. Learn more about the seven fundamental principles of Privacy by Design and how you can approach them. (DOWNLOAD DOCUMENT)

**[Augmented Analytics Tools Can Enable Data Democratization](#)**. What is business intelligence democratization? Put simply, BI democratization is the open access to business intelligence and augmented analytics tools to enable analysis and understanding of the data within the enterprise systems. The “democratization” component relates to the “who.” Who gets access to the data?

**[Data Privacy Day Is Here – Why Organizations Should Care](#)**. Technology has been advancing rapidly, and there is significantly more reliance on computers and virtual accounts to share data and personal information. This data can take many forms – whether that be login credentials over the company chat application, a customer’s credit card data, or company proprietary data locally stored on an employee’s laptop.

**[Making Data FAIR for All](#)**. It is tempting, when pursuing a project that requires heavy use of data, to focus just on that particular project. Collect or locate the data needed to answer the question at hand, work out the conclusions based on that data, act on the conclusions, and discard the data.

