Monthly Newsletter

February 2024

DAMA NCR's Chapter Meeting

Chapter meetings are held quarterly, on the second Wednesday of the month. Next Chapter meeting will be on **March 13, 2024 from 17:30 to 18:30**; the invitation, presentation details, and agenda for next meeting will be forthcoming. **Register** for the virtual event.

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.

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.
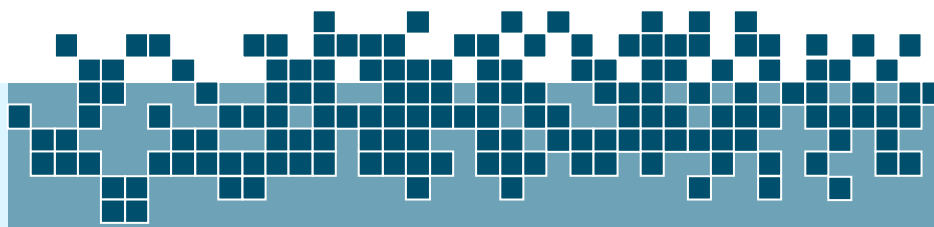
Upcoming Events and Conferences

DAMA NCR-RCN Data and Drinks. Tuesday February 20, 2024, 18:00- 20:00 at 10 Fourteen Bar – 1014 Wellington St. West, Ottawa.
DAMA NCR-RCN hosts social events every third Tuesday of each month. Join data professionals from the National Capital Region to socialize, strengthen business connections, get fresh ideas, and raise your professional profile.

Data Integration – Newsflash: We Still Just Move Data! (Virtual event). Thursday February 8th, 2024, 14:00-15:00 EST.
Data integration is a broad term for data movement. While moving streaming data is increasingly important, and data virtualization and data mesh architectures somewhat lessens the need, straight data movement still comprises the vast majority of cycles for data integration.

How to Manage and Protect Data with Privacy Center and Data Mask ([Virtual event](#)). Thursday February 8th, 2024, 14:00-15:00 EST.
Discover new ways to support privacy requirements. Discussion about Right to Be Forgotten, Right to Portability, and consent and preferences. See how Data Mask protects your sensitive data in Sandboxes. Discover the latest innovations that increase product performance and usability.

Expert Panel: Achieving High Value with Data Intelligence, Data Catalogs, and Metadata Management ([Virtual event](#)). Monday February 12th, 2024, 12:00-13:00 EST.
Modern data catalogs offer AI-infused automation to handle complex, high-volume data and feature easier-to-use interfaces for less technical users. Data intelligence technologies are critical to unified data management across data lakes, data lakehouses, and distributed data virtualization, data fabrics, and data mesh architectures.

Data Integration & Enterprise Automation Take Off with iPaaS ([Virtual event](#)). Monday February 12th, 2024, 14:00-15:00 EST.
Integrate and transform data between your ERP, CRM, SIS and more with pre-built connectors to systems like Workday, AWS, AD, Azure, Twilio, Ellucian, MUNIS, Salesforce, Sendgrid, Twilio and more.

Data Modeling Fundamentals ([Virtual event](#)). Tuesday February 13th, 2024, 14:00-15:00 EST.
Because every organization produces and propagates data as part of their day-to-day operations, data trends are becoming more and more important in the mainstream business world's consciousness.

Data Quality Bootcamp: A Roadmap for Success ([Virtual event](#)). February 13th-14th, 2024.
Data Quality frequently poses a significant challenge for numerous organizations seeking to harness the potential of their data. Registration US$1,200.00.

Creating an AI Governance Program (It's Go-Time) ([Virtual event](#)). Wednesday 14th, 2024, 14:00-15:00 EST.
Pressure for companies to use AI to gain a competitive advantage (or at least not fall behind versus competitors) is steadily rising, and in 2024, CEOs will push their Legal, Compliance, Privacy, and IT Teams to deploy AI applications now, not later.

Optimizing Data Governance with Frameworks and Maturity Models ([Virtual event](#)). Thursday 15th, 2024, 14:00-15:00 EST.
Both well-thought-out frameworks and effective maturity models play an important role in providing direction and mileposts for your Data Governance program. These important artifacts can be used to take your Data Governance initiative to new heights.

GC Data Conference 2024: From Insight to Foresight ([Virtual event](#)). February 21st-22nd, 2024 EST.
With the theme of "From Insight to Foresight," the GC Data Conference 2024 will explore issues and opportunities related to the responsible use of artificial intelligence, data and process automation, and applying human-centred principles to data activities. All public servants at all levels; open to the general public.

Gartner Data & Analytics Summit ([In-person](#)). March 11 – 13, 2024 in Orlando, FL, at Walt Disney World Swan and Dolphin Resort.
The 2024 agenda features sessions exploring the theme *Generating Value Together: From Data to AI to Collective Intelligence,* and will bring together 4,000+ chief data and analytics officers, and data and analytics leaders across three days — all in one location. (Public-sector price: US$3,650; Standard price: US$4,300).

Articles

[Trends in Data Governance and Security: What to Prepare for in 2024](#). Organizations learned a valuable lesson in 2023: It isn't sufficient to rely on securing data once it has landed in a cloud data warehouse or analytical store. As a result, data owners are highly motivated to explore technologies in 2024 that can protect data from the moment it begins its journey in the source systems.

[Key Components of a Successful Data Strategy](#). A successful data strategy generally requires the use of certain key components. Most businesses have invested in some form of Data Management, but all too often different sections of a business aren't terribly well coordinated. A data strategy can be described as a dynamic process used to support the collection of data, its organization and analysis, and delivery, to support business goals and activities.

[Data Governance is Valuable: Moving to an Offensive Strategy](#). Data governance is a critical foundation for a data strategy. Yet preconceived notions and bad experiences have left many people dismissive of its value. How can leaders shift perception of data governance as critical to business success… and kickstart a program that offers a meaningful ROI? (DOWNLOAD DOCUMENT).

[Data Catalog Role in Data Transformation and Governance](#). As businesses look for ways to increase sales, improve customer experience, and stay ahead of the competition, they are realizing that data is their competitive advantage and the key to achieving their goals.

[Why AI Forces Data Management to Up Its Game](#). The Information Age has flooded the modern enterprise with data. Demand for enterprise storage capacity will only increase in the years ahead. By the end of this decade, new enterprise storage capacity shipments are forecast to be 15 ZB per year, with the active installed base exceeding 45 ZB.

[Data Management Predictions for 2024: Five Emerging Trends](#). It is imperative for Data Management leaders to assess and, if needed, refine their Data Management strategies. One thing is clear; if data-centric organizations want to succeed in 2024, they will need to prepare for an environment in which data is increasingly distributed.

[Data Management Trends in 2024](#). The trends in Data Management for 2024 can be expected to range from the impact of the EU's Digital Services Act (DSA) package to new variations of ChatGPT focused on managing data. Data Management (DM) deals with the collection, processing, and storage of data, as well as the laws and regulations that protect people's rights.

[Fundamentals of Data Compliance](#). Data compliance delivers benefits to organizations far beyond simply avoiding potential fines for not fulfilling regulatory requirements for collecting, handling, securing, and safely disposing of sensitive data.

Supercharging Value from Data in 2024. While the generative AI buzz shouldn't be ignored, like any data strategy, it's critical that data and analytics professionals be crystal clear on their priorities and aligned with the business plans, priorities and goals.

Large Language Models in the Enterprise: It's Time to Find a Middle Ground. The hype around large language models echoes early hype around artificial intelligence (AI) writ large, in that many people are talking about what's possible with the technology, but fewer people are publicly discussing the nuts and bolts of putting it into practice, particularly in an enterprise context.

2024 Data Trends: From Collaborative Data Sharing to AI-Driven Operations. In the fast-evolving data landscape, understanding emerging trends and embracing technological advancements are key to staying ahead.

Benefitting from Generative AI: What to Expect in 2024. According to a recent McKinsey study, the impact of generative AI (GenAI) impact on productivity could add trillions of dollars in value to the global economy which they estimate will add the equivalent of $2.6 trillion to $4.4 trillion annually across the 63 use cases analyzed.

Semantic Technology Trends in 2024. The introduction of ChatGPT has produced a variety of primary and secondary effects on semantic technology and the industries using it. ChatGPT significantly improves AI's use and understanding of language.

How Hyper-Automation Technology Is Democratizing Innovation. Great innovators are tireless toilers. More is more. But after 17 years of running my company, I'm convinced that what distinguishes great innovators is not a matter of quantity, but rather, the quality of the work they do and their commitment to giving their brain a rest.

Database Management Trends in 2024. Trends in database management for 2024 have taken several different directions, ranging from cloud-based DBMSs (database management systems) to augmented DBMSs to self-driving DBMSs (which are quite different from self-driving cars). The use of cloud-supported database management systems is one of the most obvious trends.

What to Expect in 2024: The Dominance of Hybrid and Multi-Cloud Architecture. In 2024, the IT landscape will continue to shift and evolve. Driven by the relentless advancement of cloud computing and the growing demand for hybrid and multi-cloud environments, 2024 will be marked by several trends that will become more mainstream.

What Trends to Expect in 2024 in Enterprise Storage? (Part One). We have identified seven trends in enterprise storage for 2024. In part one, we will define and explore the first four trends.

What Trends to Expect in 2024 in Enterprise Storage? (Part Two). In part one, we defined and explored the first four trends. The remaining three trends are the focus of part two. This information will help equip you to prioritize and be successful in the new year.

Distributed Data Architecture Patterns Explained. Distributed data architecture, models using multiple platforms, and processes for data-driven goals continue to generate increased interest.

Data Protection: Trends and Predictions for 2024. Data protection, as the term implies, refers to the safeguarding of personal data from unauthorized access, disclosure, alteration, or destruction.

All in the Data: Becoming a CDO When There is No Role. The top data position within the organization may hold other titles as well, including c-level (or non-c-level) positions focused on analytics alone, digital transformations, insights, and data strategy. There are still organizations that recognize their Chief Information Officer (CIO) as the top data role, but that number is decreasing year by year.

Who Is Responsible for Data Quality in Data Pipeline Projects? Where exactly within an organization does the primary responsibility lie for ensuring that a data pipeline project generates data of high quality, and who exactly holds that responsibility?

Data Observability vs. Data Quality. Data empowers businesses to gain valuable insights into industry trends and fosters profitable decision-making for long-term growth. It enables firms to reduce expenses and acquire and retain customers, thereby gaining a competitive edge in the digital ecosystem.

Data Fabric Tools: Benefits and Features. The term "data fabric" refers to a complete architecture combining physical hardware layers, system processes, and virtual layers to allow data across systems to be accessed, managed, and analyzed at a single location.

A Step Ahead: Data in Support of (Zero) Trust. Conversations around Zero Trust have begun to accelerate and much of the discussion is akin to data mesh and data fabric where business owners and management are hearing the term and asking what a Zero Trust product is. The term is also permeating data professionals' conversations.

How to Become a Database Manager. Becoming a database manager requires knowing how to deal with both technology and people. The responsibilities of a database manager typically include establishing and enforcing the data standards for the business and troubleshooting any problems with the data or the system.

Unlocking the Full Potential of Cloud Technology: The Benefits of Managed Cloud Services. Cloud technology has revolutionized how businesses operate, offering scalable, flexible, and cost-effective solutions to everyday tasks. And further progress is on the horizon – by 2024, Gartner estimates the cloud computing market will eclipse $724 million, up from $490 million in 2022.

Privacy, Security & Machine Learning. Data privacy and security matter. Given this, it will be a big deal if machine learning can make them easier to implement. So, how do CIOs and other security thought leaders think machine learning applies to privacy and security?

Machine Learning 101. Machine learning (ML) is a subfield of AI that helps train machines to make decisions or complete tasks independently by studying and learning from data.

Exploring Data Democratization: Pros, Cons, and Real-World Impact. As data is being analyzed in new ways to deliver better insights, organizations across industries are focusing on democratizing its use in order to capitalize on its business-driving capabilities. In fact, one survey found that 90% of data professionals are prioritizing data democratization at their companies.

Building a Data Culture with Data Storytelling. Businesses worldwide are churning out vast volumes of data like never before. Statistics show that people will generate 120 zettabytes of data by the end of 2023, and that number will likely climb to 181 zettabytes by 2025.

Data Law: Navigating the EU Data Strategy. In the ever-evolving data landscape, the European Union's Data Strategy stands as a comprehensive roadmap, outlining a transformative journey toward a single market for data.

Managing a Freelance Data Science Team. This article particularly focuses on how to manage a freelance data science team, a trend that is gaining ground due to rapid innovation, the need for specialized skills, and the ongoing demand-supply gap in this field.

Data Governance vs. Data Management. When managers and workers discuss Data Governance (DG), a business program that supports harmonized data activities, vs. Data Management (DM), a comprehensive collection of practices, concepts, and processes dedicated to leveraging data assets, they often use the terms interchangeably.

A Step Ahead: Categories – Boon or Bane? Do you love or hate organizing papers and objects in your home? You might like the results of organizing: reduction of clutter and ease of finding things. Or you might hate the process of organizing. The reason usually has to do with the fact that the object or paper can live in only one place at a time. Therefore, if you are making folders to organize papers: What folder does this paper go in? What if the paper's topic fits in more than one folder?

Implementing an Effective Data Strategy. According to the authors of "Data Is Everybody's Business," a data strategy "lays out an organization's goals and plans for managing and exploiting data." So, where are chief information officers (CIOs) at in facilitating a data strategy with their business counterparts? What things get in the way the most? And, of course, what advice do they have for data professionals?

Data Governance Roles and Responsibilities. Data Governance, a formalized practice that executes and enforces company-wide data policies, has gained significant traction in the last few years.

Getting Started with Data Governance. Find practical advice for implementing the policies, procedures, technologies, and roles that can heighten the quality and potency of your data-driven insights. We'll answer a range of questions, including: a) What factors must I consider before choosing a data governance approach? b) How do I align data governance with my business strategy? c) What data will be governed? And who will do the governing? d) How do I know quality data when I see it? e) What tools or technologies can help me along the way? (DOWNLOAD DOCUMENT)

Principles of Cloud Data Governance For Banks. Banks – and their data volumes – are at the epicenter of the world's digital transformation. The pace of change mirrors the velocity, volume, and variety of data within the industry.

Make a Solid Business Case for Effective Cloud Data Governance. Learn how cloud data governance can boost productivity and improve data intelligence. (DOWNLOAD DOCUMENT)

Data is Risky Business: Data Ethics and Governance in the Age of LLMs. In the last few months, we have seen the wave of Artificial Intelligence break on the shores of wide-scale business adoption and mainstream media coverage of Large Language Models, most famously ChatGPT.

Defending Your Organization from Illegal Data's Wrath. In today's interconnected world, businesses not only grapple with the management of vast amounts of data but also face the looming threat of illegal data concealed within their digital repositories. This proliferation of illegal data presents a range of risks and challenges that organizations must confront.

Usability and Connecting Threads: How Data Fabric Makes Sense Out of Disparate Data. As data is generated, stored, and used across data centers, edge, and cloud providers, managing a distributed storage environment is complex with no map to guide technology professionals.