

New TDWI Research Report Explores Best Practices for Data Monitoring and Observability

Report investigates how effective data monitoring is connected to gaining value from data.

SEATTLE, WA, UNITED STATES,
September 5, 2024 /EINPresswire.com/
-- TDWI Research has released its
newest [TDWI Best Practices Report:
Data Monitoring, Management, and
Observability](#). This original, survey-
based report focuses on best practices
organizations have implemented to
maintain the health and performance
of data ecosystems.

Written by TDWI's senior research
director for advanced analytics, Fern
Halper, the report explains that data
assets must be trustworthy for
enterprises to harness their full
potential. Effective data monitoring
and observability may involve
traditional data management tools,
newer automated and observability
tools, manual checks, and/or
homegrown tools.

In the report, Halper points out that "to
get the most value from their data for
analytics, AI, and applications,
organizations must trust the integrity
of their data." The report discusses the
strategic importance of implementing

The TDWI logo features the lowercase letters 'tdwi' in a bold, sans-serif font. Above the 'i' are three black dots of increasing size, arranged in a slight arc.

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TDWI Best Practices Report | Data Monitoring,
Management, and Observability

robust practices to maintain the health and performance of data ecosystems, ensuring that data is reliable, that organizations know when there are issues with their data, and outcomes are impactful and trustworthy.

Report Highlights

Among this [comprehensive report's key findings](#):

- Survey respondents who utilize advanced tools such as modern automated data quality tools, specific data quality tools, and data observability tools are more likely to report gaining value from their data.
- Common challenges that prevent enterprises from deriving value from their data are both organizational and technological, for example, lacking specific roles and complications in the data ecosystem.
- Sixty percent of survey respondents performed at least some of their data monitoring manually.
- Foundational practices such as regular data audits, secure databases, strict access controls, the role of the data steward, and DataOps are generally recognized and adopted across all organizations.

The report concludes with [best practice recommendations for monitoring data](#) such that it can deliver more value.

This research was sponsored by Monte Carlo Data and Snowflake.

- Download the report at <https://tdwi.org/Research/2024/09/DIQ-ALL-Best-Practices-Report-Data-Monitoring-Management-and-Observability.aspx>.
- Watch the webinar at <https://tdwi.org/Webcasts/2024/09/DIQ-ALL-Data-Monitoring-Management-Observability-Results-New-TDWI-Best-Practices-Research.aspx>.

About the Author

FERN HALPER, Ph.D., is vice president and senior director of TDWI Research for advanced analytics. She is well known in the analytics community, having been published hundreds of times on data mining and information technology over the past 20 years. Halper is also coauthor of several Dummies books on cloud computing and big data. She focuses on advanced analytics, including predictive analytics, machine learning, AI, cognitive computing, and big data analytics approaches. She has been a partner at industry analyst firm Hurwitz & Associates and a lead data analyst for Bell Labs. She has taught at both Colgate University and Bentley University. Her Ph.D. is from Texas A&M University. You can reach her by email (fhalper@tdwi.org) and on LinkedIn ([linkedin.com/in/fbhalper](https://www.linkedin.com/in/fbhalper)).

About TDWI

For almost 30 years, TDWI has provided individuals and teams with a comprehensive portfolio of business and technical education and research about all things data. TDWI's in-depth, best-practices-based knowledge can be quickly applied to develop world-class talent across your organization's business and IT functions to enhance analytical, data-driven decision-making.

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