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Artificial intelligence — Data quality for analytics and machine learning (ML) —

Part 5: Data quality governance framework

Intelligence artificielle — Qualité des données pour les analyses de données et l'apprentissage automatique —

Partie 5: Cadre pour la gouvernance de qualité des données

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Foreword

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This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 42, *Artificial intelligence*.

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Introduction

To address data quality properly without wasting critical resources, the organization's governing body can set the strategic direction for the use of analytics and machine learning (ML) and can oversee the quality of the needed data.

The data quality governance framework for analytics and ML assists the governing body in establishing a data quality governance within its organization with adequate controls across different layers of the organization throughout the data life cycle (DLC).

The framework can be used by both the governing body and management to interact and ensure the establishment of an effective data quality governance for analytics and ML at all levels in the organization.

The framework can be applicable regardless of an organization's size and type; and used in conjunction with other parts of the ISO/IEC 5259 series.

Artificial intelligence — Data quality for analytics and machine learning (ML) —

Part 5:
Data quality governance framework

1 Scope

This document provides a data quality governance framework for analytics and machine learning (ML) to enable governing bodies of organizations to direct and oversee the implementation and operation of data quality measures, management, and related processes with adequate controls throughout the data life cycle (DLC) model according to ISO/IEC 5259-1.

This document can be applied to any analytics and ML. This document does not define specific management requirements or process requirements according to ISO/IEC 5259-3 and ISO/IEC 5259-4 respectively.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 5259-1, *Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 1: Overview, terminology, and examples*

ISO/IEC 22989:2022, *Information technology — Artificial intelligence — Artificial intelligence concepts and terminology*

ISO/IEC 38505-1, *Information technology — Governance of IT — Governance of data — Part 1: Application of ISO/IEC 38500 to the governance of data*

ISO/IEC 38507:2022, *Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations*