ISO/IEC 5259-5:2025-02 (E)

Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 5: Data quality governance framework

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 3

5 Data quality governance in the context of analytics and ML 4
5.1 Foundation 4
5.2 Ambiguous responsibilities for data 4
5.3 Purpose and justification 4

6 Data quality governance framework 5
6.1 General 5
6.2 DQ guiding principles 6
6.3 Strategies and policies for DQ 6
6.4 Business planning for DQ 6
6.5 DQ accountabilities 7
6.6 DQ risk management 7
6.7 Management processes for DQ 7

7 Responsibilities of governing body 8
7.1 Understand the strategic importance of data quality 8
7.2 Establish enabling environment for data quality governance 8
7.3 Formulate data quality strategies 9
7.4 Business planning for data quality 10
7.5 Data quality risk management capability 10
7.6 Set policies to ensure data quality 10
7.7 Establish oversight mechanisms 12

8 Responsibilities of management 12
8.1 Implement data quality strategies 12
8.2 Establish and enforce comprehensive data quality policies 12
8.3 Implement data quality management processes 12
8.4 Establishing internal risk control as part of management process 13

Bibliography 15