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Information technology — Artificial intelligence — Treatment of unwanted bias in classification and regression machine learning tasks

Technologies de l'information — Intelligence artificielle — Traitement des biais indésirables dans les tâches d'apprentissage automatique de classification et de régression

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Foreword ... **iv**
Introduction ... **v**
1 Scope ... **1**
2 Normative references ... **1**
3 Terms and definitions ... **1**
3.1 General ... 1
3.2 Artificial intelligence ... 3
3.3 Bias ... 4
3.4 Testing ... 5
4 Abbreviated terms ... **6**
5 Treating unwanted bias in the AI system life cycle ... **6**
5.1 Inception ... 6
5.1.1 Stakeholder identification ... 6
5.1.2 Stakeholder needs and requirements definition ... 7
5.1.3 Procurement ... 8
5.1.4 Data sources ... 9
5.1.5 Integration with risk management ... 11
5.1.6 Acceptance criteria ... 11
5.2 Design and development ... 12
5.2.1 Feature representation ... 12
5.2.2 Metadata sufficiency ... 12
5.2.3 Data annotations ... 12
5.2.4 Adjusting data ... 13
5.2.5 Methods for managing identified risks ... 13
5.3 Verification and validation ... 13
5.3.1 General ... 13
5.3.2 Static testing of data used in development ... 14
5.3.3 Dynamic testing ... 14
5.4 Re-evaluation, continuous validation, operations and monitoring ... 15
5.4.1 General ... 15
5.4.2 External change ... 16
5.5 Disposal ... 17
6 Techniques to address unwanted bias ... **17**
6.1 General ... 17
6.2 Algorithmic and training techniques ... 17
6.2.1 General ... 17
6.2.2 Pre-trained models ... 18
6.3 Data techniques ... 19
7 Handling bias in a distributed AI system life cycle ... **19**
Annex A (informative) **Life cycle processes map** ... **21**
Annex B (informative) **Potential impacts of unwanted bias on different types of specific user** ... **22**
Bibliography ... **23**

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This document describes steps that can be taken to treat unwanted bias during the development or use of AI systems.

This document is based on ISO/IEC TR 24027 and provides treatment techniques in accordance with the AI system life cycle as defined in ISO/IEC 22989:2022, Clause 6 and ISO/IEC 5338. The treatment techniques in this document are agnostic of context. This document is based on the types of bias described in ISO/IEC TR 24027.

This document describes good practises for treating unwanted bias and can help an organization with the treatment of unwanted bias in machine learning (ML) systems that conduct classification and regression tasks. The techniques in this document are applicable to classification and regression ML tasks. This document does not address applicability of the described methods outside of the defined ML tasks.

This document does not contain organizational management and enabling processes related to an AI management system, which can be found in ISO/IEC 42001.

Annex A provides a cross-reference between the life cycle stages and the clauses of this document.

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