



SLOVENSKI STANDARD
SIST-TS CEN/CLC ISO/IEC/TS 12791:2025

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Informacijska tehnologija - Umetna inteligenca - Obravnava neželene pristranskosti pri nalogah strojnega učenja klasifikacije in regresije (ISO/IEC TS 12791:2024)

Information technology - Artificial intelligence - Treatment of unwanted bias in classification and regression machine learning tasks (ISO/IEC TS 12791:2024)

Informationstechnik - Künstliche Intelligenz - Behandlung von unerwünschtem Bias bei Klassifizierungs- und Regressionsaufgaben des maschinellen Lernens (ISO/IEC TS 12791:2024)

Technologies de l'information - Intelligence artificielle - Traitement des biais indésirables dans les tâches d'apprentissage automatique de classification et de régression (ISO/IEC TS 12791:2024)

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SPÉCIFICATION TECHNIQUE
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**CEN/CLC ISO/IEC/TS
12791**

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English version

**Information technology - Artificial intelligence - Treatment
of unwanted bias in classification and regression machine
learning tasks (ISO/IEC TS 12791:2024)**

Technologies de l'information - Intelligence artificielle
- Traitement des biais indésirables dans les tâches
d'apprentissage automatique de classification et de
régression (ISO/IEC TS 12791:2024)

Informationstechnik - Künstliche Intelligenz -
Behandlung von unerwünschtem Bias bei
Klassifizierungs- und Regressionsaufgaben des
maschinellen Lernens (ISO/IEC TS 12791:2024)

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European foreword

This document (CEN/CLC ISO/IEC/TS 12791:2024) has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" in collaboration with Technical Committee CEN-CENELEC/ JTC 21 "Artificial Intelligence" the secretariat of which is held by DS.

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Technical Specification

ISO/IEC TS 12791

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

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 42, *Artificial intelligence*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/CLC/JTC 21, *Artificial Intelligence*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Introduction

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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