

26 - 28 March 2026

Prague, Czech Republic

# Artificial Intelligence Implementation in Mexican Companies: A Comparative Review of Five National Reports

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## Abstract

This article provides an in-depth comparative examination of artificial intelligence (AI) adoption in Mexican companies, drawing exclusively from five nationally recognized reports published in 2024. Through a rigorous mixed-methods critique that integrates methodological triangulation, framework comparison, and gap analysis, the study systematically evaluates how each report conceptualizes AI readiness, adoption drivers, implementation barriers, and sectoral trends within Mexico's evolving digital ecosystem. Results show strong convergence in diagnosing a growing managerial interest in AI and a steady rise in experimentation with data-driven tools, particularly in finance, retail, logistics, and manufacturing. However, adoption remains disproportionately concentrated among medium and large firms with advanced technological capabilities, robust data architectures, and established innovation strategies. Small and micro-businesses—representing the majority of the Mexican economy—continue to lag due to financial constraints, limited digital literacy, and fragmented institutional support.

The analysis also uncovers substantive differences among the reports regarding methodological depth, operational definitions of AI maturity, and the extent to which ethical, regulatory, and governance dimensions are incorporated. Notably, gaps persist in longitudinal measurement, standardization of indicators, and the assessment of human-capital impacts. By synthesizing insights across the five reports, this article provides the most coherent integrative view to date of Mexico's national AI adoption landscape, identifies structural inconsistencies in current diagnostic efforts, and outlines research and policy priorities needed to strengthen responsible and inclusive AI-driven competitiveness in the country.

**Keywords:** digital transformation; SMEs; technology readiness; innovation policy; data governance