

TRIM Trustworthiness Certificate

Paper Title: Predicting Workplace Hazard, Stress, and Burnout Among Public Health Inspectors: An AI-Driven Analysis in the Context of Climate Change

Journal: European Journal of Investigation in Health, Psychology and Education (EJIHPE, 2025)

Journal Website: <https://www.mdpi.com/journal/ejihpe>

DOI: 10.3390/ejihpe15050065

TRIM Final Score: 8.9 / 10

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|--------------------------------|------|
| Methods: | 9/10 |
| Reporting Transparency: | 9/10 |
| Reproducibility: | 8/10 |
| Bias Evaluation: | 9/10 |
| Incentives: | 8/10 |

Summary: This paper demonstrates excellent methodological rigor, transparent reporting, and proactive bias disclosures. Minor improvements could include enhanced open access to full modeling codes and external validation of burnout prediction models across different occupational health sectors.

Certified by: TRIM Analysis System
Date: April 2025
Certificate ID: TRIM-CERT-2025-002

Pillar Summary Table

| Pillar | Score | Key Strengths / Weaknesses |
|------------------------|-------|--|
| Methods | 9 | Robust ML model validation; wide sample; slight generalization limits |
| Reporting Transparency | 9 | Full reporting of ML models and feature importance; limited code release |
| Reproducibility | 8 | Data available; code partial; independent replication pending |
| Bias Evaluation | 9 | Explicit funding and COI disclosure; transparent sampling discussion |
| Incentives | 8 | Open science intent clear; broader external validation recommended |