Implementation of the ML-UPAEP methodology to predict the susceptibility of job automation in Mexico

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Abstract

Current times inevitably lead to interact with some technological implementation; the motivation of the research takes as a reference the work done by Frey and Osborne (2013), who estimated the probability of computerization in 702 occupations in the U.S. labor market predicting that 47% of these were feasible to be automated in the next ten years. The convenience of conducting this research is to be able to join the efforts made in Mexico to have an overview at national and state level, considering gender, age, educational level, and economic perception of people mainly, identifying and quantifying the effects of the inclusion of technology in labor occupations in Mexico and their susceptibility to be automated. The results will allow forecasting short, medium and/or long-term scenarios in the economic sectors of our country, contributing to the studies that in some ways have quantified technological progress and its impact on labor activities at the national level.

Keywords

Inclusion, Susceptibility, Methodology Automation, Job Computerizability, Occupations, Technological Unemployment.