

Risk Factors of Becoming NEET Youth in Iran: A Machine Learning Approach

Authors : Hamed Rahmani, Wim Groot

Abstract : The term "youth not in employment, education or training (NEET)" refers to a combination of youth unemployment and school dropout. This study investigates the variables that increase the risk of becoming NEET in Iran. A selection bias-adjusted Probit model was employed using machine learning to identify these risk factors. We used cross-sectional data obtained from the Statistical Centre of Iran and the Ministry of Cooperatives Labour and Social Welfare that was taken from the labour force survey conducted in the spring of 2021. We look at years of education, work experience, housework, the number of children under the age of six in the home, family education, birthplace, and the amount of land owned by households. Results show that hours spent performing domestic chores enhance the likelihood of youth becoming NEET, and years of education and years of potential work experience decrease the chance of being NEET. The findings also show that female youth born in cities were less likely than those born in rural regions to become NEET.

Keywords : NEET youth, probit, CART, machine learning, unemployment

Conference Title : ICLMRSP 2023 : International Conference on Labor Market Reforms and Social Policies

Conference Location : Montreal, Canada

Conference Dates : June 15-16, 2023