







## The Effect of Changing the Tax System on Macroeconomic Variables with the System Dynamics Approach

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### Abstract

Abstract Tax revenues are superior to other sources of income from the domestic economy for many reasons, including the ability to control them. The current state of Iran's economy and the imposed economic sanctions, as well as the instability of oil prices and oil revenues, have led to the non-realization of government revenue programs, and if such a trend continues in the long run, the country will face an economic crisis. One of the challenges of not implementing these programs is the unexpected behaviors that the economic system manifests over time. In this dissertation, a system dynamics approach that can display a multi-loop and multi-state structure and can model nonlinear feedback and time delays has been selected as a modeling tool. The impact of tax system reform on macroeconomic variables using a dynamic system approach. The main objective of this article is to examine the variables of the tax system on macroeconomic variables such as inflation rate, unemployment rate, and gross domestic product growth rate, and to provide a model for increasing tax revenue that leads to the selection

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