The purpose of this study is to examine the relationship between economic growth and selected economic indicators during the economic crisis in Turkey between 1990-2009 with regression trees and OLS method. Important crises in Turkey were April 1994, February 2001 and August 2008 crises. For economic growth, industrial production is used as the dependent variable and eight variables were used as independent variables which are commonly mentioned in the literature. In both method, there is a negative relationship between industrial production and trade balance and domestic loans, on the other hand a positive relation to other variables. For international reserves, a positive relationship is found with industrial production in regression trees method, however there is a negative correlation in the method of least squares.

**Key words: Economic growth, financial crisis, regression trees**