Abstract. Economical growth and fall causes corresponding processes in the labour market. Even a brief analysis of these processes indicates their cyclic feature; period of prosperity follows up recession, depression, and recovery periods. Governmental institutions may influence on these processes due the economical and social programs to reduce the length of negative periods. In this point of view it is important to estimate the duration of the periods in advance. In this paper we analyzed the dynamics of the interaction of two macrovariables, Job Vacancies and Employment Rate. It has been shown that the interaction of these macrovariables causes the cyclic processes. Each cycle consists of four distinct periods. We have driven formulae to evaluate so called depression and prosperity periods. The theoretical evaluations were compared with the real statistical data for the province of Alberta (Canada). In example of real statistical data we have shown that the relation Employment Rate vs. Gross Domestic Product also has cyclic character. In our point of view the methodology proposed on this paper can be used to make prognosis regarding the social processes. We plan to consider the influence of more factors to the dynamics of these processes in our future works.