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Using Markov Chains to Predict the Probability of Change in Cumulative Rates for Students of the College of Administration and Economics / University of Basrah

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ABSTRACT

The Markov chains are of great importance for predicting future situations, and the advantages of this method is that it does not depend on the causes of the phenomenon, but rather takes it as it is, to be analyzed and predict its future state, The aim of the research is to assess the cumulative rates of students of the College of Administration and Economics, University of Basra, by estimating the probability of change in the current time and predict the probability of change in the case of stability. And we reached a decline in the probability of higher cumulative rates in the future for all sections, especially in the departments of economy, accounting and statistics by 6%.

1. Introduction

There is no doubt that the low rate of cumulative students is one of the most important factors of educational waste, in universities and this means that students stay in the university for a longer period of normal, for the years of graduation from the bachelor's degree in order to raise the cumulative rates of minimum required for graduation, and this reduces the output of university education and contributes to the slow movement of universities in meeting the development needs of qualified national cadres [5]. Considering that the cost of university education is generally higher than other social and economic activities, and that any successful institution must monitor the validity of its plans according to an objective methodology , And evaluate the performance of this strategy from time to time. This study was designed to evaluate this policy towards the cumulative rates of students by estimating the probability of change in the rate of cumulative students (acceptable, average, good, very good, excellence) Which can be calculated

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