Abstract

This paper describes a Markov Chain transition model that encompasses the different compartments of an education system. The model clearly shows transition rates within compartments and also between compartments, thus planners in the country will understand better the flow of students from primary school to university level. Also, the theory of Absorbing Markov Chains, specifically the Chapman-Kolmogorov result, assists in predicting future enrolments. Hence, the model will facilitate more effective planning in the country's education system and in the supply of manpower