

Acoustic Guitar Strumming Pattern Suggesting System

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Abstract

There are so many applications and softwares to help acoustic guitar players to new techniques and methods. For acoustic guitar player novices, there is a large number of acoustic guitar tutors and free acoustic guitar learning tutorials available on the internet. With these advantages, any person who has an interest to learn or improve their acoustic guitar earning skills, can be done easily. Among those applications and softwares, strumming pattern learning related applications can be found very less. Most acoustic guitar players and acoustic guitar player novices catch hard to find the strumming pattern of a song. In this project, a new acoustic guitar strumming pattern learning method according to a given song has documented and implemented. This system has used a machine learning approach to predict the strums of a strumming pattern according to its Bpm and the time signature. Using Markov chain models and Viterbi backtracking algorithm, this project has produced a new application that suggest a suitable acoustic guitar strumming for a given song.