Abstract

Frequent pattern mining has been an emerging and active field in data mining research for over a decade. Abundant literature has been emerged from this research and tremendous
progress has been made in numerous research frontiers. This article, provide an application of
the modified Apriori algorithm in coordinate sets of trajectories to find the frequent trajectory
coordinates. In this algorithm additional steps are added to prune the coordinate sets generated
so that to reduce the unnecessary search time and space. This sequential pattern mining
method is quite simple in nature but complex to implement. This paper explains the basics of
data origination, database structure to hold the coordinate datasets and the implementation of
the algorithm with the object oriented programming language by an illustration. It can be applied
to interesting game domains to find the frequent trajectory of an object shot by a player which
follows a trajectory path.

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**Index Terms**

Computer Science  
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**Key words**

Data mining  
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