

IMPLEMENTATION OF DMX EXTENSION FOR DATA MINING ON MS SQL SERVER PLATFORM

Summary - The paper describes methods and algorithms of data mining at the MS Analysis Services platform. At beginning the main idea of such process was presented. All steps from the relational schema through integration, schema construction till reporting was discuss. In the next step all implemented in presented tool models was presented with special attention to its mathematical principles. The main care was pointed to Microsoft Sequence Clustering, as a main subject of this work. The DMX SQL extension was presented as the most important tool to build, process and test mining structures and models. This language was used in the client application, which was created by C# .NET. It gives opportunity to create data mining clustering models for any tables from chosen relational schema. The main original part of this work is the tool to testify Microsoft Sequence Clustering model, which is not presented in Analysis Services toolkit. The ADOMD library was used to the communication between server engine and client application, and was shortly described.