37. REPORT VISUALIZATION OF INTER-RELATED DATA WAREHOUSE USING INTEGRATION ALGORITHM

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Data mined from the single source is analyzed and a report is generated using first order logic in the existing system. But this system fails to support inter-related storage of data. Hence, an Interactive analysis of data has been proposed, by allowing data to be summarized and viewed in different ways. Data that can be modeled as dimension attributes and measured attributes. Measure attributes include measure of some value that can be aggregated upon .e.g. the attribute number of sales relation. Mediator based data integration algorithm has been implemented for generalization & suppression of data's in the data warehouse. Acute evasion technique to handle bulk data has been deployed further in our proposed approach. Hierarchy on dimension attributes of interrelated data has been proposed where it lets dimensions to be viewed at different levels of detail. The proposed methodology is also useful at the beginning of the visualization process.

Index Terms— OLAP reports, acute evasion technique, Mediator based data integration algorithm, report visualization.

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