

- 2) Data warehouse establishment. In the on-line analytical processing (OLAP) and data mining (DM) before, the data organization in data warehouse, according to the analysis of the different theme, the data are then organizations, such as the reader data, resource data, to access data, etc.
- 3) Data cube model establishment. The data in the data warehouse according to the star type structure is organized into data cube form, OLAP and DM to prepare.
- 4) OLAP and DM. OLAP analysis is mainly based on multidimensional organization of data section, cut into parts, ground up polymerization, drilled, and turning movement analysis, in order to analyze data, so that we can from a variety of dimensions and multiple side, a variety of data integrated degree view readers the visit to resources. On the basis of multidimensional data cube, through the data mining found the reader's interest, access mode and resource association, etc., formation rule library and readers interested in library.
- 5) Web personalized service. The module is dealing directly with readers; it is to point to heterogeneous literature resources one-stop personalized network service. It is according to the reader's interest, the different relationship between literature and the correlation between disciplines, as a model for carrying out the information resource service for readers.

Data warehouse for different theme data integration, through the OLAP and DM to readers are classified, found associated resources, and to realize the readers based on the reader's interest model, this model through the interaction with readers, constantly receiving the reader's interest and speculated that the reader's interest, the accumulation of readers' information demand preference, realize adaptive personalized service.

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