Abstract

Designing a data warehouse is the most important task realized by the designer; going to production is considered a remarkable phase to test the data warehouse performance based on its design.

It is known that hardware has developed in terms of memory volume and speed, storage... but to minimize the execution time and the storage space still being the main objective for data warehousing specialists.

This paper shows the advantage of using bitmap index and partitioned fact tables in big data warehouses volumes based on a snowflake schema based on query execution time.
Impact of using Snowflake Schema and Bitmap Index on Data Warehouse Querying


Index Terms
Computer Science Information Systems

Keywords
Data Warehouse, DBMS, Indexes, Business Intelligence