Abstract

Tourism plays an important role in supporting national economy and in creating new jobs. It contributes positively to raising the national income and improving the balance of payments. Egypt depends on the tourism sector to support its national economy. Furthermore, tourism represents one of the main sources of hard currency and contributes significantly to solving the problem of unemployment.

Notwithstanding, decision makers in the Egyptian tourism sector have no chance to access unified data source that can supply information to meet their enquires and expectations. Also, the difficulty in conducting analysis and in processing the current data to extract the required information is another challenge because it consumes a lot of time and effort.

Consequently, the study deals with two main issues. First, it presents a data warehouse model based on decision support system for the tourism sector in Egypt. This model integrates all the available data sources into a unified data warehouse where data can be viewed, retrieved, and analyzed quickly and efficiently; hence, enabling decision makers to easily make accurate decisions at the suitable time. Second, the current study proposes a lot of recommendations to some authorities for developing the decision support system in the tourism sector in Egypt such as the Ministry of Tourism, the Egyptian Tourist Authority, the Tourism Development Authority, the Faculties of Tourism and Hotels, and the Faculties of Computers and Information Sciences.

Keywords