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IMPLEMENTATION OF DATA ANALYSIS TOOLS FOR BUSINESS PURPOSE

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Abstract: In this paper we decide implementation of data analysis tool in data warehouse. The data analysis tools are used in data warehousing to prepare the data and to access data populates the warehouse, thus enhancing usability of the company. This research paper discusses on the problems in data access that are addressed by data analysis tools. In this paper have specific questions of the data can elicit information that will determine which features of data analysis tools are appropriate in which conditions. The objective of paper is to develop analysis tools to support identification of data analysis issues and selection of tools for addressing those issues. The main objective is to provide information on specific analysis tools regarding cost, size, and unique features of analysis tools [1].

We will the design phase of implementing our data warehouse including discussions of; what we mean by analysis tools in data warehouse? This discussion will carry us through some aspects of data modeling including: the business model, logical and physical models [10]. We will create the data warehouse. In this discussion will allow us to build our modeling skills and create the data warehouse for the start of online analysis tools with Excel application for the Northern Garment Company.

Keywords: Data analysis tool, data warehousing, data modeling & measurable model.

1. INTRODUCTION

In these tools, online data analysis tools with Excel and software are typically used to sort through enterprise largest data in order to identify patterns and establish relationships. Similar to data analysis tools can help virtually any business gain greater insight into organizational, industry, and customer trends. We are used our data warehouse for the first time to access of data. When will we want to assess it? The information that you gain from an assessment will allow you to make better decisions about how the data warehouse should be used? You should know the needs of your business, and you should also know, how your data warehouse can help and care for these needs [2]. You should also determine if your organization is ready to use the data warehouse after they have built it. However, it is not enough to assess the data warehouse once. As our Garment Company continues to grow, our needs will change, and the data warehouse will need to be reassessed [15]. Quality factors like accessibility and timeliness, believability and understandability, design and usage flexibility play a crucial role in the success of data warehousing [9].

Data warehousing is emerging as the cornerstone of company's information infrastructure. It is imperative that the issue of data analysis be addressed if the data warehouse is to prove beneficial to an organization. Government, agencies, corporations and not-for-benefit groups are all inundated with various amounts of data [11]. The desire to use this data as a resource for the organization has increased the growth move towards data warehouses. This information is the very potential to be used by an organization to generate larger understanding of their vendors, business processes, and the company itself [11].

1.1 Research Objective

This research is designed to address the following questions about the relationship between data analysis tools and the business purpose in the data warehouse [1]:

(*a*) How to examine the contents using analysis tools?

(*b*) How to present the results of such analysis?

2. METHODOLOGY

A review of the literature indicates that there are thousands of tools that can be classified as data Online Analysis Tools in Excel Spreadsheets, Co-Sort, Web FOCUS and Climate Data Analysis Tools these are tools [2]. Only a small percentage of the tools perform the data fast accessing and increasing space, the mainly perform online analysis tools. The majority of the online analysis tools and Co-Sort tools were evaluated for this paper, as well as a sample of the online analysis tools and Co-Sort tools. The literature review generated a primary list of questions for the contents. Refined the list and used it as the foundation for building a

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matrix to be used in evaluating data. Methodology framework is presented by Table 1 [11]. As we can see the table presents key steps and activities in defined order. The literature concept is based on business process and measure performance. It means application of business process [14].

[14] Above list of questions is reviewed by Max TNT Garments Company in the initial stages of developing the framework for data repositories within the company. Based on their review, additional questions are added. A matrix (Table 1) is developed that mapped the features of the data analysis tools to the questions that were asked [6].

Table1
Relationship of Total Sales

Area	*Product*	*Quantity*	*Cost(in Rs)*	*Total Count Sales*
North U.P	Trouser	50	400	20000.00
South U.P	Shirt	120	650	78000.00
Bangalore	Suit	500	1350	675000.00
Himachal Pradesh	Coat	80	950	47500.00
Hyderabad	Sherwani	50	6000	300000.00

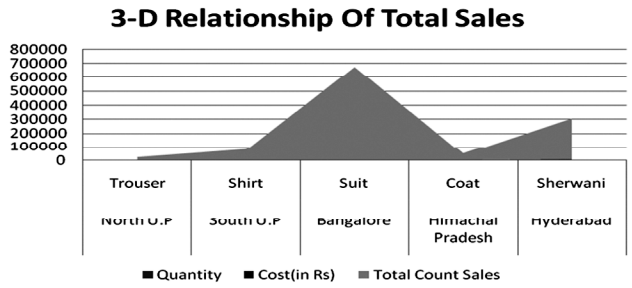


Figure 1: 3-Dimension Area Relationship of Total Sales

The primary purpose of these tools is to provide analysts with an awareness of the application's components, structure, and interaction. Therefore, it is important to carefully evaluate the types of analysis that can be conducted and the presentation of analysis results in Table 1 & Figure 1. The Mapping of Problem Requirements Analysis to Features of Analysis Tools matrix in Table 2 will allow the warehouse developer to focus on which features are needed to address specific problems in the data sources [9].

Table 2
Mapping Problem Requirements Analysis to Features of Analysis Tools

Process Step	*Functionality*	*Output*
1. Business model strategy definition	Analysis of current situation Definition of mission, vision & strategic Future.	Strategy are well defined
2. Business Process (logical) design.	Implementation of process measurement modeling metho- dology modeling methodology Process models making optimization criteria	Processes are designated & should be cleared
3. Business Process Controlling Implementation.	Design of process measurement, evaluation and execution Implementation of tools for Design of system for correction proposal and improvement.	System for process evaluation and execution Improvement system is well defined.

Table 2 Cont'd

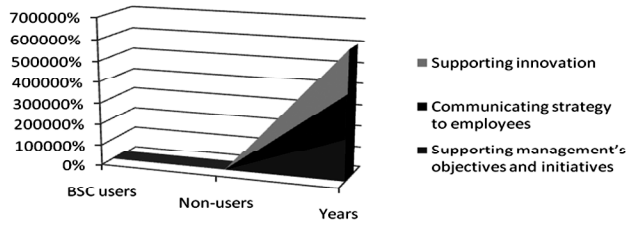
Table 3, Figure 1 & 2 contains information about specific features, could be used compare recent rating Company system including & growth [3]. The table can be used to begin evaluation of special tools.

In today's, world we are overwhelmed with data and information from various sources. Data warehouse is that users will be able to access a large amount of information. [6]This information can be used to solve a large number of problems, and it can also be used to increase the profits of a company. Not only are users able to have access to a large amount of information, but also this data is also consistent. It is relevant and organized in an efficient manner. While it will assist a Garment Company in increasing its profits, the cost of computing will greatly be reduced. One powerful feature of data warehouses is that data from different locations can be combined in one location. We represent the growth of company in increasing every year [14]. **(BSC-Balanced Score Card)**

Table 3 & Figure2 3-D Area Chart show Growth of Company [9].

Percent rating Company System Either "very good" or "excellent" in last three years

	BSC users	Non-users	Years
Supporting management's objectives and initiatives	55%	10%	2009
Communicating strategy to employees	48%	4%	2010
Supporting innovation	24%	3%	2011



2.1 Design the Measurable Model

User requirements and data realities drive the design of the measurable model, which must address business needs, grain of detail, and what dimensions and facts to include. The measurable model must suit the requirements of the users and support ease of use for direct access. The model must also be designed so that it is easy to maintain and can adapt to future changes.[5] The model design must result in a relational database that supports hierarchical structure to provide "instantaneous" query results for analysts.

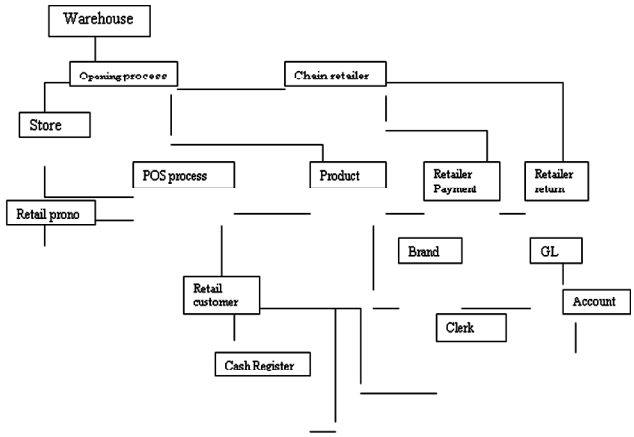


Figure 3: Flow Chart of Measurable Model [6]

The original aim of data warehouse online analytical tool is to eliminate duplicates in a data collection, a problem occurring already in single database applications and gets worse when integrating data from different sources and can implement online & offline state[7].

This paper attempts to provide to an overview of current market trends in industrial and virtual reality and visual simulation. In order to get the clear-cut advantage in term of cost and time in validating the product design for fit form the function, the use of the computer based tools and methods are essential & show the growth of increase in every year [8].

3. CONCLUSION

In this paper, we have discussed three aspects of tool support for improved design and usage analysis in data warehousing. The main emphasis of ongoing work in the online analysis tools in Excel. . The data warehouse is a relatively new field of study and research and has generated huge interests among business communities. It is a an important part of business intelligence which deals with how an organization uses, analyzes, manages and stores data it collects from various sources to make better decisions.[6]

The purpose of this paper is to provide the reader with a practical approach to data modeling techniques and their implementation with Excel tools [2]. Data warehousing is a complex & largest topic; we hope to see online analysis tools to help us manage not only the physical implementation of our schema, but also the business and logical modeling components [15].

Questions must be asked of the data source that would enable the developer of the data warehouse to know what content exist with the data warehouse [8]. Once these problems have been isolated, the data warehouse builder could determine which features of the data analysis tools address the specific needs of the data sources to be used. First Table tools have been identified; the second Table could be used compare recent rating Company system".

The two matrices work together to enable the data warehouse developer to efficiently choose the software tool suitable to the data sources that are to be used in the warehouse.

3.1 Next Requirements of This Tool

Further research in this field is needed to "How do the various data analysis tools compare in terms of cost, size and user friendliness?" A simple data warehouse should be run against each of these tools and the timeliness of the data should be verified after use.

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