

Dated:

INFORMATION MANAGEMENT SYSTEM:

Information Management systems are the logical application of data structures. Mainly used by industries and companies for management purpose. Basic difference ^{in data} we can see in emails sent by employee and databases of companies are that is structured data and unstructured data.

Data Mining: Extracting data and facts from database. Retrieving the required data from databases.

Text Mining: 75% data weren't present in emails so retrieving that data is known as ~~Data~~ Text Mining.

These two terms are the basic structure of Information Management System.

Tera data: Tera data is an text mining application firstly used by the company named NCR.

Data Science

Data Analytics

Data Mining

Databases

Statistics

Database: Charles Bachmen developed the first database system. The term database refers to a collection of data that is multidimensional in the sense that internal links between its entries make the information accessible from variety of perspectives.

— (CS an overview)

Dated:

Database Management System: DBMS:

A software which controls uncontrol symaltaneous access protection of confidential data management of dates pattern, management of data and retrieving of data from the Data base is called "DBMS"

OR

The Layer between Database and application which is responsible for read/write data is known as DBMS. Note that the application software doesnot directly manipulate database it is accomplished by the DBMS.

— (CS overview)

Database Administrator: DBA is that person which owns the database.

Database system: Every single thing which is required to make functional the DBMS is known as DBS.

Relational Database Management System: RDBMS

In 1972, Mathematician named Dr Edgar Frank codd while working for IBM, invented Relational model for database management. Using relational algebra and relational calculus. The theoretical basis for relational databases. Majority Databases are based on relational model.

codd's define twelve rules that define the characteristics required by a DBMS to be considered Relational.