What's your view on Data Mining?

Did you had any experience before the research you are doing now?

How do you leverage a software application, without adding any methodology of data mining?

What is your research on?

What are the techniques being added to your solutions?

How do you foresee the effects of Data Mining in computer systems?

Your final word toward data mining?

1. Data Mining is a technology that was discovered in 19th century but has still managed to prove its existence due to its efficiency. Increasing data and its methods to store and process, has made data mining more valuable. Data Mining is the best way to provide value to both the users and service providers. Data Mining combines tools from Machine Learning and Artificial Intelligence.

The data mining process breaks down into five steps. First, organizations collect data and load it into their data warehouses. Next, they store and manage the data, either on in-house servers or the cloud. Business analysts, management teams and information technology professionals access the data and determine how they want to organize it. Then, application software sorts the data based on the user's results, and finally, the end user presents the data in an easy-to-share format, such as a graph or table.

1. No. This is the first time I am working on a research project.
2. Understanding what features the system should contain is the first step while developing application. This can be understood best using Data Mining Techniques. There could unknown relationships between different facts. Determining them plays a very important role. The best example is the diaper and beer example.
3. My research is titled ‘Fuel Characterization and Property Prediction Model for Variable-blend Natural Gas Vehicle Technology’. This project is about building the model to find variability in the natural gas so that the cost to process the natural gas can be reduced. We are currently using Regression Analysis and Neural Networks to determine the relationship between the characteristics like temperature, pressure and different components present in the fuel.
4. Techniques used are Regression, ANOVA Analysis, and Neural Networks.
5. Due to the advancement in technology like cloud computing, parallel and distributed computing, data storage and processing have become much easier. Machine Learning and Artificial Intelligence are booming up. Driverless cars to Robots, Search Engines to Voice Recognition and much more. We are moving towards a smart world.
6. **Data mining,**also called **knowledge discovery in databases**, in [computer science](https://www.britannica.com/topic/computer-science), the process of discovering interesting and useful patterns and relationships in large volumes of data. Data mining is a process used by companies to turn raw data into useful information. By using software to look for patterns in large batches of data, businesses can learn more about their customers and develop more effective marketing strategies as well as increase sales and decrease costs.