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| Capstone Project-  Broadband Usage |
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1.What's Data governance?

Ans:

* Data governance refers to the **overall management of the availability, usability, integrity, and security of the data employed** in an organization.
* It includes the processes, roles, standards, and metrics that ensure the effective and efficient use of data in alignment with the needs and goals of the organization.

2.What's data quality ?

Ans:

* Data quality refers to the characteristic of data that determines **its ability to serve its intended purpose in a given context.**
* It is concerned with aspects such as accuracy, completeness, consistency, timeliness, and relevance, and aims to ensure that the data used by an organization is fit for its intended use.
* Data quality is critical for making informed decisions, improving operational efficiency, and maintaining the credibility and trust in an organization's information systems.

3.What's data management ?

Ans:

* Data management refers to the processes, policies, and standards used to ensure the availability, reliability, security, and maintenance of data throughout its lifecycle in an organization.
* It encompasses a wide range of activities, including data architecture, data modeling, data integration, data quality assurance, data security, data backup and recovery, and data archiving.
* The goal of data management is to optimize the use of data to support the organization's mission and goals, while minimizing the risks associated with poor data management practices.

4.What's Data Analytics ?

Ans:

* Data analytics refers to the process of examining, cleaning, transforming, and modeling data with the goal of discovering useful information, drawing conclusions, and supporting decision-making.
* It involves the use of statistical, mathematical, and computational methods to extract insights and knowledge from structured and unstructured data.
* The goal of data analytics is to support evidence-based decision making, identify patterns and trends in data, and inform strategy and planning.
* Data analytics has broad applications in fields such as business, healthcare, government, and science, and it can be performed using a variety of tools and techniques, including data visualization, data mining, predictive modeling, and machine learning.

5.What's data security ?

Ans:

* Data security refers to the protection of data from unauthorized access, use, disclosure, disruption, modification, or destruction.
* It involves the use of technical, administrative, and physical controls to ensure the confidentiality, integrity, and availability of data.
* Data security is critical for protecting sensitive information, maintaining the privacy of individuals, and preventing unauthorized access to critical systems and infrastructure.
* Some common data security measures include encryption, access controls, backup and recovery plans, firewalls, and network security systems.
* Data security is a constantly evolving field as new threats emerge and technology evolves, and organizations must continually assess and update their data security strategies to ensure the ongoing protection of their data assets.