Reflection on the course "Management, Access, and Use of Big and Complex Data”

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Expectations:
At the outset, I anticipated gaining an in-depth knowledge of big data management and utilization. I was looking forward to grasping the fundamentals of the tools and techniques involved in working with big data, as well as understanding the challenges that come with it.

Summary of Learning:
Throughout the course, I have acquired extensive knowledge of the intricacies of big data management, including the governance of data, its quality, integration, and pipelines. I learned about different types of data, such as structured, unstructured, and NoSQL technologies like MongoDB. Moreover, I learned how to store and process this data. I also got introduced to cloud computing platforms like Virtual machines and the Google Cloud Platform that aid in the extraction of insights from big data.

Apart from this, I discovered the significance of distributed Systems and Modeling in the big data ecosystem. The concepts of Data Cleaning and Exploration were also covered, which are essential for processing big data. The course helped me understand the difference between Cloud processing and Local processing, which plays a significant role in the analytics of big data.

Evaluation of the Learning Process:
Overall, I found the course to be challenging but useful. The content was well-organized and presented in a way that was easy to understand, but the subject matter was complex and required a lot of concentration to fully comprehend. I appreciated the hands-on assignments and Quizzes as well as the discussion on each assignment that allowed me to apply the concepts I learned in real-world scenarios. I got to learn a lot from the discussions and experiences of others with different tech stacks.

Next Steps in the Big Data Journey:
Going forward, I plan to dive deeper into big data and expand my knowledge of the field. I would like to learn more about big data technologies like Spark and Hadoop, and I am interested in exploring different approaches to data analysis and visualization. Additionally, I would like to understand more about the ethical considerations that come with big data, such as data privacy and confidentiality, and how to manage these issues responsibly.

Furthermore, I plan to explore the cloud computing landscape, particularly the AWS platform, to gain a deeper understanding of cloud-based analytics and big data applications. I believe that learning these new technologies and tools will enable me to gain valuable insights and make data-driven decisions. Ultimately, I am excited to continue my journey into big data and explore the endless possibilities that it offers.