During my time in the Data and Analytics course, I was also pursuing a certificate from AWS for Cloud Practitioner. I feel that even though the course itself did not cover cloud computing as much, the material we learned can be applied and in fact refined through cloud systems. As businesses move away from standalone servers into a vast area of cloud, there is a lot of extra functionality. For example, when a business wants to send standalone files within their own network, it will take much longer than using a service such as AWS where you can use their services to query a file through a datacenter closest to you which will not only allow you to send files faster and make them globally available but also be able to download content faster as well.

This concept was explained in Data and Analytics toward the start of the course when we were talking about databases and how data can be moved and translated. Now the question is, how exactly is this the future? Well not only is cloud highly functional but it is also a platform for many other features. For example, within the same region selection in AWS, you can host a website that is updating live with your data all from the same place. That aside, the most complex and interesting part of cloud services such as AWS is the accessibility in terms of the users. Let's say you as the owner of a business want to give your system admin only certain permissions and the developers all permissions, you can create groups and set your own custom permissions or use a default permissions system already installed for you on your dashboard. Where data and analytics started with the basics is where concepts such as the cloud, AWS, Azure, and more can shine with simplicity in the complexity.