

## GCP CDA Module 3 - Video 6 Summary

This video introduces the key roles within a data team, comparing their responsibilities and how they contribute to data projects. Each role is essential and offers unique career opportunities in the field of cloud data analytics.

**Data Analyst:** Data analysts work directly with data to perform analysis workflows, create visualizations, and communicate results to stakeholders. They use tools like SQL, Python, Tableau, and Looker.

**Data Engineer:** Data engineers design and manage databases, build data pipelines, and ensure data is accessible and reliable for analysis. They focus on infrastructure and data transformation.

**Data Scientist:** Data scientists analyze data, perform statistical analysis, and build machine learning models. They use data to answer business questions and create predictive models.

**Data Architect:** Data architects design the infrastructure of databases and plan the overall data lifecycle. They collaborate with other data professionals to ensure effective data management.