

GCP CDA Module 3 - Video 5 Summary: Effective Data Reporting

Effective data reporting is a crucial skill for cloud data analysts. It involves sharing insights derived from data analysis in a clear and actionable manner to support decision-making.

Distinction Between Data Lifecycle and Data Analysis Process

The data lifecycle refers to how data moves and changes throughout its existence, while the data analysis process focuses on how analysts interact with data to derive insights.

Data Lifecycle Stages in Reporting

1. Plan

Review business questions and objectives. Determine necessary data fields, filters, and timeframes for the report.

2. Capture

Gather data from various sources, ensuring all required metrics are available. Collaborate with other teams if data gaps exist.

3. Manage

Store data securely and assess whether it includes personally identifiable information (PII). Apply access controls and perform quality checks to ensure consistency across data sources.

4. Analyze

Transform and organize data to draw conclusions and support business goals. Create visualizations and ensure sensitive data is protected during sharing.

5. Archive

Save data for future reference or comparison with other reports, following organizational guidelines.

6. Destroy

Safely delete data that is no longer needed to maintain privacy and comply with regulations.

Conclusion

By following the data lifecycle, cloud data analysts can create effective and secure reports that meet business objectives and protect user data.