Benefits of data transformation plans

So far, you've learned a lot about the data journey, including how pipelines help move data where it needs to go while transforming it for analysis. In this reading, you'll explore the role of data transformation in preparing data.

Develop a data transformation plan

Specifically, data transformation plays a key role in preparing data to meet complex business needs. Data transformation comes with unique challenges, so it's important to develop a data transformation plan that uses effective strategies to find the value in your data. Not only will these strategies help you overcome the challenges with data transformation, they'll also optimize your data by:

- **Improving data quality:** The accuracy, completeness, consistency, and trustworthiness of data is key to making meaningful insights. Errors in the data lead to errors in your analysis. Data transformation can address quality issues before the analysis phase of your project. And, including quality checks in your transformation plan means you have built in assurance that your data is usable.

- **Creating better data governance:** Data governance is the process of ensuring the formal management of a company's data assets. Developing your plan before transformation means you can enforce data governance on data during this process, making it easier and more efficient to apply governance protocols on the data.

- **Making data more accessible:** One goal of data transformation is to generate usable data that authorized users can access and draw insights from when needed. But complex questions require complex transformations. Developing a plan to address these business needs means that you can still deliver data to users that need it.

Key takeaways

As you learn more about the role data transformation plays in addressing complex business needs, you'll need to consider strategies for making the most out of your transformation. A data transformation plan can help you optimize your data, improve its quality, create better governance, and make it more accessible. As a cloud data professional, knowing how to strategically implement plans to guide transformation processes will make your organization's data so much more useful for decision-making.