

Understanding Data Lesson Glossary

Welcome! This alphabetized glossary contains many of the terms in this course. These terms are important for you to recognize when working in the industry, participating in user groups, and participating in other certificate programs.

Term	Definition	Video where the term is introduced
Comma-separated values (CSVs)	Delimited text files where the delimiter is a comma. Used to store structured data.	Understanding Different Types of File Formats
Delimited text file formats	Text files are used to store data where each line or row has values separated by a delimiter. A delimiter is a sequence of one or more characters specifying the boundary between values. Common delimiters include comma, tab, colon, vertical bar, and space.	Understanding Different Types of File Formats
NoSQL databases	Databases are designed to store and manage unstructured data and provide analysis tools for examining this type of data.	Types of Data
Online Transaction Processing (OLTP) Systems	Systems that focus on handling business transactions and storing structured data.	Types of Data
Relational databases	Databases are designed to store structured data with well-defined schemas and support standard data analysis methods and tools.	Types of Data
Sensors	Devices such as Global Positioning Systems (GPS) and Radio Frequency Identification (RFID) tags generate structured data.	Types of Data
Spreadsheets	Software applications like Excel and Google Spreadsheets are used for organizing and analyzing structured data.	Types of Data
SQL Databases	Databases that use Structured Query Language (SQL) for defining, manipulating, and querying data in structured formats.	Types of Data
Tab-separated values (TSVs)	Delimited text files where the delimiter is a tab. Used as an alternative to CSV when literal commas are present in text data.	Understanding Different Types of File Formats