

Careers and Recruiting in Data Science 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
Analytical skills	The ability to analyze information systematically, logically, and organized.	Recruiting for Data Science
Chief information officer (CIO)	A business executive is responsible for an organization's information technology systems and tech-related initiatives.	How Can Someone Become a Data Scientist
Computational thinking	Breaking problems into smaller parts and using algorithms, logic, and abstraction to develop solutions. Often used but not limited to computer science.	How Can Someone Become a Data Scientist
Data clusters	A group of similar, related data points distinct from other clusters.	How Can Someone Become a Data Scientist
Executive summary	Usually occurring at the beginning of a research paper, this section summarizes the important parts of the paper, including its key findings.	The Report Structure
High-performing computing (HPC) cluster	A computing technology that uses a system of networked computers designed to solve complex and computationally intensive problems in traditional environments.	How Can Someone Become a Data Scientist
Mathematical computing	The use of computers to calculate, simulate, and model mathematical problems.	Importance of Mathematics and Statistics for Data Science
Matrices	Plural for matrix, matrices are a rectangular (tabular) array of numbers often used in mathematics, statistics, and computer science.	Recruiting for Data Science
Stata	A software package used for statistical analysis.	Recruiting for Data Science
Statistical distributions	A way of describing the likelihood of different outcomes based on a dataset. The “bell curve” is a common statistical distribution.	How Can Someone Become a Data Scientist
Structured Query Language (SQL)	A language used for managing data in a relational database.	Importance of Mathematics and Statistics for Data Science
TCP/IP network	A network that uses the TCP/IP protocol to communicate between connected devices on that network. The Internet uses TCP/IP.	How Can Someone Become a Data Scientist



Skills Network