

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 |
|---|--|---|
| Adobe Spark | A suite of software tools that allow users to create and share visual content such as graphics, web pages, and videos. | Recruiting for Data Science |
| 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 matric, 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 |

