

GLOSSARY



Artificial Intelligence Foundations: Machine Learning

With Doug Rose

Use these terms and definitions below to understand concepts taught in the course.

Transcript Search: note that you can search for terms directly within the course. To search video text, switch to the *Transcripts* tab, then press Cmd/Ctrl + F on your keyboard to run a search within the active transcript.

Term	Definition
machine learning	Giving the computer the data and tools it needs to study a problem and solve it without being told what to do. Also, giving the computer the ability to remember what it did so it can adapt, evolve, and learn.
training data	Smaller portion of data that you'll use to find patterns.
supervised learning	When a data scientist acts like a tutor for the machine, training it by showing it basic rules and giving it an overall strategy.
unsupervised learning	The machine makes all the observations on its own. It might now know all the different names and labels, but it will find patterns on its own.
semi-supervised learning	Partially train the machine to it gets a high-level overview, then most of the learning about the rules and strategies is through observing different patterns.
reinforcement learning	Machines iterate to continuously improve the outcome.