

vistaprint 500 business cards from \$9.99 [Order now](#)

Home : Technical Terms : Machine Learning Definition

Machine Learning

Machine learning, commonly abbreviated "ML," is a type of [artificial intelligence](#) (AI) that "learns" or adapts over time. Instead of following static rules coded in a [program](#), ML technology identifies [input](#) patterns and contains [algorithms](#) that evolve over time.

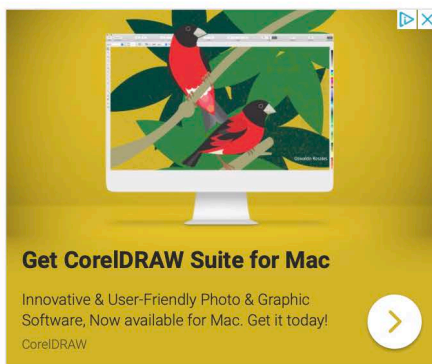
Machine learning has a wide variety of applications, many of which are now part of everyday life. Below are a few examples:

1. **Medical diagnoses**
2. **Autonomous vehicles**
3. **Online ad targeting** – Google AdSense and Facebook Advertising
4. **Speech recognition** – Google Assistant, Amazon Alexa, Microsoft Cortana, and Apple Siri
5. **Image recognition** – Google image search, facial recognition on [Facebook](#) and in Apple Photos

Self-Driving Vehicle Example

Autonomous vehicles incorporate machine learning to improve their safety and reliability. A self-driving car that uses traditional artificial intelligence can respond to any road conditions it has been programmed to handle. However, if the [software](#) encounters unrecognized input, the car may [default](#) to a backup safety measure, such as slowing down, stopping, or requiring a manual override.

Machine learning can enable a vehicle to recognize events and objects that have not been explicitly programmed in the [source code](#). For example, a car may be programmed to recognize street lights, but not flashing lights on construction barricades. By learning from experience — possibly recording the driving behavior of a human driver — the car will start to recognize construction barriers and respond



Get CorelDRAW Suite for Mac
 Innovative & User-Friendly Photo & Graphic Software, Now available for Mac. Get it today!
 CorelDRAW

Machine Language | Macintosh

SPONSORED SEARCHES

- mac computer
- artificial technology
- facial recognition
- voice recognition
- programming languages

Tech Factor

6 / 10

Related Terms

1. [Artificial Intelligence](#)
2. [Algorithm](#)
3. [Program](#)
4. [Source Code](#)
5. [Developer](#)
6. [Input](#)
7. [Output](#)

Subscribe to TechTerms

[Submit](#)

Receive a daily definition and quiz question in your inbox.



HALSTON