

Nathanael JC1M

Artificial Intelligence or just Artificially Mislabeled?

“The artificial intelligence features are very sophisticated. It can detect and identify if the objects in its proximity are other cars or pedestrians, and use that information to create a digital 360 degree 3D model on the screen.” That was the response of the BYD car salesperson I met with the other day when asked about the AI features of the car. The other group of people I was with exchanged glances after hearing that response, realizing that the majority of that sentence was entirely wrong.

Although its invention and implementation has led to many life-changing technologies in today's world, its immense fame has started to result in misconceptions of what *it* truly is. Nowadays, can individuals actually differentiate between Artificial Intelligence technologies and other technologies, or has AI become the new umbrella term that people use when they come across technology that they don't understand?

AI is the process by which machines mimic human intelligence in order to make decisions. In a contrasting fashion, it should not be mistaken for Machine Learning, which is a subset of AI, albeit being a completely different technology. The difference? Machine Learning only uses a pre-existing test dataset to make predictions. It is both probabilistic and non-deterministic. Artificial Intelligence utilizes Machine Learning, but that data is tested against pre-programmed rules to make deterministic complex decisions.

Using those base definitions, we may start to put an end to this common mischaracterization. Technologies that only predict outcomes, like weather/stock prediction models, social media recommendation algorithms, and even keyboard autocomplete are all strictly Machine Learning, not AI. And finally, to put an end to the confusion surrounding which type of technology electric vehicles possess, they may contain both. Possessing the Artificial Intelligence Capabilities in self-driving autonomous vehicles to determine which safe driving conditions, and possessing Machine Learning to identify objects in a car's vicinity and create 3D simulations.