

Most modern artificial intelligences in use today are typically what are called neural networks, which are a series of mathematical equations, or neurons. However, current neural networks are limited to only what they can see in the moment, and perhaps the last few steps depending on the type of network (Feed-forward vs. recurrent). What are the effects of giving a neural network the ability to remember data that it generates on its own? By confining a neural network to an environment where memory is necessary to succeed, one where not all data is always given, we may test how well a neural network can perform when given memory neurons, measured by the fitness of the neural network, which is a metric that determines the neural network's skill at the task at hand.