

Brief Introduction

You may ask yourselves why are we taking the time to go over Linear Algebra with you. We emphasized in the introduction that Linear Algebra is a beautiful field in mathematics that helps apply and understand many disciplines, such as Statistics, Computer Science, Economics, but also, and in particular what we would like to focus on here, are the **Neural Networks**!

The next lesson (or module) in this nanodegree will give you an elaborate overview of neural networks. But before you dive into the lukewarm water, let's take a brief glimpse.

Here, we will give you an oversimplified idea of what a neural network is for the purpose of understanding how beautifully Linear Algebra is an ingrained component in its application. In a nutshell, please focus on the math and how it's applied. It's OK if a few topics related directly to neural networks are still left unclear, as the entire neural network lesson is coming up soon.

