In recent years the prominence of big data, has led to the field of artificial intelligence to rely on Deep learning instead of classical machine learning algorithms. This is because deep learning is better at handling large amounts of information and making accurate predictions compared to classical machine learning algorithms.

A graph on a black background

Description automatically generated

Deep learning is also able to solve more complex data structures. Over 90% of data in business are considered unstructured (Marr, 2021). Unstructured data is considered a lot more complex; this has led to an increase in the usage of deep learning.

A group of icons on a white background

Description automatically generated

Another factor is the fact that we have more computational power. According to a Linkedin article titled, “Why AI Now: Unpacking the Driving Forces Behind the Artificial Intelligence Explosion”, the author mentions that in the past 5 years alone computational power used for AI training has doubled every 3.4 months since 2012. It has a 35x increase compared to the traditional Moore’s Law trajectory (Ahmed,2023).

A graph of growth of a company

Description automatically generated

Lastly, there are a lot more educational resources to be learn and apply deep learning techniques. In the past, for individuals to be able to learn deep learning, they had to go to college or be involved in an Artificial intelligence Research organization. Nowadays, educational resources like Coursera and DataCamp can teach individuals Deep Learning and Machine Learning for a reasonable price.

A screenshot of a web page

Description automatically generated

Marr, B. (2021). What Is Unstructured Data And Why Is It So Important To Businesses? An Easy Explanation For Anyone. Benard Marr. <https://bernardmarr.com/what-is-unstructured-data-and-why-is-it-so-important-to-businesses-an-easy-explanation-for-anyone/>

Ahmad, N. (2023). Why AI Now: Unpacking the Driving Forces Behind the Artificial Intelligence Explosion. LinkedIn. <https://www.linkedin.com/pulse/why-ai-now-unpacking-driving-forces-behind-artificial-nadeem-ahmad/>