

Machine learning is a branch of Artificial intelligence and computer science which focuses on the use of data and algorithms to imitate the way that humans learn gradually improving its accuracy. Machine learning is an important component of the growing field of data science. Using statistical methods algorithms are trained to make classifications or predictions, uncovering key insights within data mining projects. These insights subsequently drive decisions making within applications and businesses ideally impacting key growth metrics. As big data continues to expand and grow the market demand for data scientists will increase requiring them to assist in the identification of the most relevant business questions and subsequently the data to answer them. Since deep learning and machine learning tend to be used interchangeably its worth noting the nuances between the two. Machine learning deep learning and neural networks are all sub-fields of Artificial Intelligence. However deep learning is a sub-field of Machine learning and neural network is a sub field of deep learning.