Machine Learning is a branch of Artificial intelligence and computer science which focuses on the use of data and algorithms to irritate the way that humans bear gradually improving its accuracy. Machine hearning is an important component of the growing field of dola raience. Using statistical methods algorithms are trained to make classifications or predictions, uncovering key irrights within data mining projects. These irrights subsequently drive desicions making within applications and luvinesses ideally impacting key growth metrics. As hig data continues to expand and grow the market demand for data rejentists will increase requiring them to oxist in the identification of the most relevant business questions and subsequently the data to arswer then. Since deep learning and machine bearing tend to be used interchangeally its worth noting the nuances between the two. Machine learning deep learning and neural networks are all sub-fieldy Of Artificial Intelligence. However deep learning is a sub-field of Machine hearing and neural network is a sub field of deep borning.

The way is which deep learning and machine learning differ is in how each algorithm levers. Deep hearning automates much of the features ordination frice of the process clinicaling some of the marual human intervention required and enabling the use of larger data rets. Deep machine learning can leverage labelled datasets also known as supervised learning to inform its algorithm but its doesn't necessarily sequire a labelled datasely. It can ingest unstructured data in its now form and its can outomatically determine the net of features which distinguish different colegories of data from one another. Unlike machine borning it doesn't require human intervention to process data allowing us to scale machine learning in more interesting ways. Deep bearing and nevral returney are primarily credited with accelerating progress in oreas such as computer vision, noturally language processing and theech recognition.