Abstract

Two major tools to implement any artificial intelligence and machine learning systems are Symbolic AI and Artificial Neural Network AI. Artificial Neural Network (ANN) has made a tremendous improvement in the versatile area of Machine Learning (ML). Artificial Neural Network (ANN) is an assembly of huge number of weighted interconnected artificial neurons, initially invented with the inspiration of biological neurons. All these models are much better than previous models implemented with symbolic AI so far as their performance is concerned. One revolutionary change in ANN is Convolutional Neural Network (CNN). These structures are mainly suitable for complex pattern recognition tasks within images for the purpose of computer vision.

References

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Some Studies on Convolution Neural Network


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Index Terms

Computer Science \hspace{1cm} \text{Artificial Intelligence}

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Convolution Neural Network, Deep Learning, Optical Character Recognition, Machine Transcription, Machine Translation, Accuracy