

Brain Disease Classification using Convolution Neural Network

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Abstract: *The diagnosis of brain tumours demands extreme precision since even the smallest errors in judgment can have serious consequences. Because of this, segmenting brain tumours is a significant medical difficulty. There are now a number of tumour segmentation methods, however none of them are very accurate. Here, we offer a machine learning-based approach to segmenting brain tumours. The numerous approaches, including image processing, picture capture, pre-processing, segmentation, feature extraction, and classification, are presented in detail in this study. In this study, we looked at various brain MR pictures and segmented each one to determine if it was benign or cancerous using Convolution Neural Network methods.*

Keywords: Segmentation, Tumor, Machine Learning, MR images, Convolution Neural Network

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