Brain Tumour Identification and Segmentation using a Fusion of GoogleNet and ResNet and Fuzzy Mean Clustering

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Abstract

Brain tumors are one of the most researched and studied human diseases that remains a mystery and continues to gulp down thousands of victims each year. It has become a key research component in medical digital image processing over the past few years, with the development of technology and with the rise of Artificial Intelligence and image processing paving the way for researchers around the world globally . Brain tumors are abnormal and uncontrolled growths in the Brain. Primary Brain tumors are known as gliomas and originate from glial cells and infiltrating the surrounding tissues) .They are classified by their histopathological appearances

In this paper we take a look at a system which brings forth a novel fusion of networks using RestNet and GoogleNet with an image segmentation done using Fuzzy C Mean Clustering.