

Medical Image Segmentation and Classification Based on UNet Model

Context:

Medical image analysis is an important application direction of artificial intelligence in the healthcare field. As a classic model for medical image segmentation, U-Net features a simple structure and remarkable performance. This project aims to achieve medical image segmentation and classification using deep learning technology.

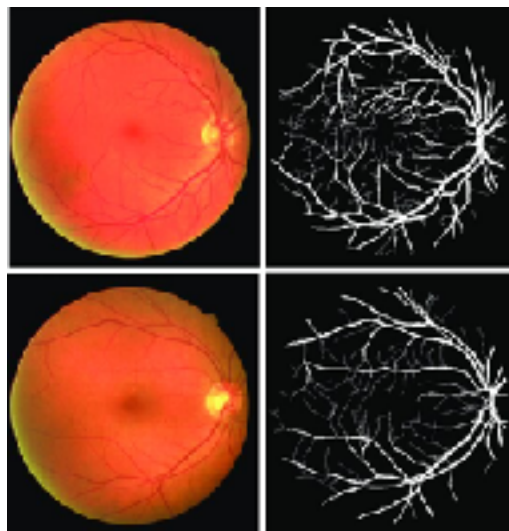


Figure : Digital Retinal Images for vessel Extraction

Reference :

[1] O. Ronneberger, P. Fischer, and T. Brox, "U-Net: Convolutional Networks for Biomedical Image Segmentation," in *Medical Image Computing and Computer-Assisted Intervention (MICCAI)*, Lecture Notes in Computer Science, vol. 9351, Springer, 2015, pp. 234–241.