Abstract

Identifying and detecting the different objects in an image is important skill in computer vision. Fast and reliable object detection is significant approach for interacting with one's environment. Human uses a process called as visual attention to quickly decide which location of an image need to be processed in detail and which can be ignored. But for the machine it is difficult task to identify object and exact location of the object in an image. To overcome this difficulty machine learning and deep learning have made great progress with the help of algorithm series based on R-CNN. This algorithm series have given amazing results with the help of some well-known datasets like Image-Net, Pascal voc, coco etc.

References

2. Ross Girshick, Jeff Donahue, Trevor Darrell, Jitendra Malik, “Rich feature hierarchies for


**Index Terms**

Computer Science  
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**Keywords**

Deep learning, Neural Network, dataset, faster Region with Convolutional neural network, ROI, RPN