

advantage:enhance image classification

procedure:

By averaging Maxpooling、Minpooling、MaxMinpooling layers,get probabilistic outputs.
It can improve accuracy.The model can apply to COVID-19

1 Max:most salient features(common)

2 Min:focus on subtleties

3 Maxmin:enrich the feature

This approach employs a parallel combination of positive and negative ReLU functions,to enhance the network's capacity,thereby achieving superior classification.

Approach:

max-positive

min-negative

maxmin-positive and negative

Step1:data preparation

Step2:model training

Step3:Optimizations and monitoring

limitation:

1 increase the computational complexity

2 only apply to image data,limit the broader application of the findings

Future work:

1 combine different pooling strategies for increasing accuracy

2 extend the application to other domains(video,natural language and more complex tasks)