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Title : Cat-Dog Classification with Deep Learning

Defination :Convolutional Neural Network (CNN) is an algorithm taking an image as input then assigning weights and biases to all the aspects of

an image and thus differentiates one from the other.

Neural networks can be trained by using batches of images, each of them having a label to identify the real nature of the image (cat or dog here).

A batch can contain few tenths to hundreds of images.

For each and every image, the network prediction is compared with the corresponding existing label, and the distance between network prediction and the truth is evaluated for the whole batch.

Then, the network parameters are modified to minimize the distance and thus the prediction capability of the network is increased.

The training process continues for every batch similarly.