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Deep Learning HW 3

***Word Meaning Homework 3***

**Filter**- layers that tells you little details about what you’re looking at. The filter stripes the image bit by bit to understand it’s sequence. It read the document pixel by pixel to recognize it next time it sees it whether it moved, flipped or rotated.

**Feature**- shows object parts. What sets it apart from all of the other objects. Features allow you to recognize and dog versus a human and so forth.

**Feature Map**- show how activated a segment is, whether weak or strong. Give you the exact location. It also show what’s important to have and what’s not, for example skin is a useful thing to have.

**Pooling**- pooling cause it to be in variant to small changes. Pooling put the data in different segments, eg circles, squares, orange, etc… it allows you to move the objects to the left, right, up or down.