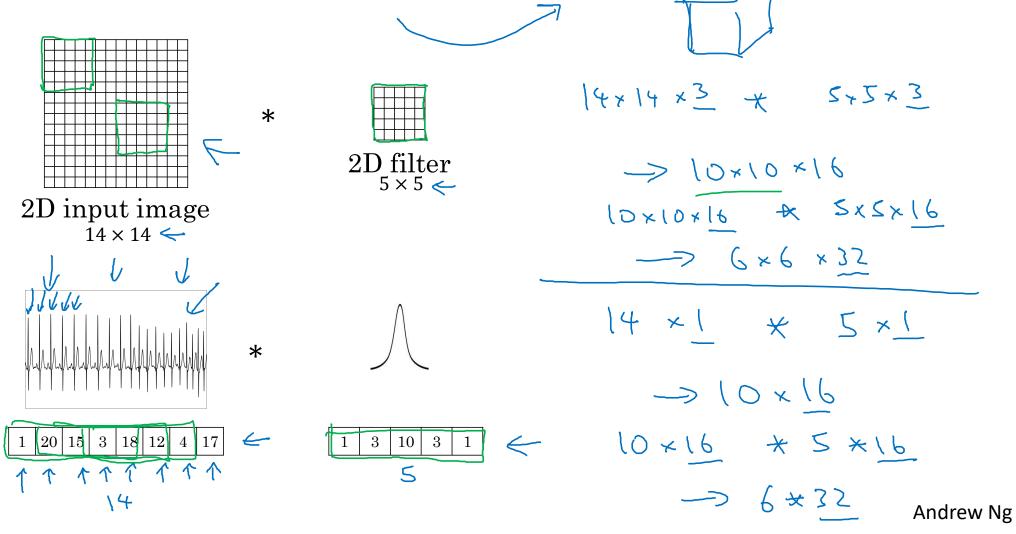
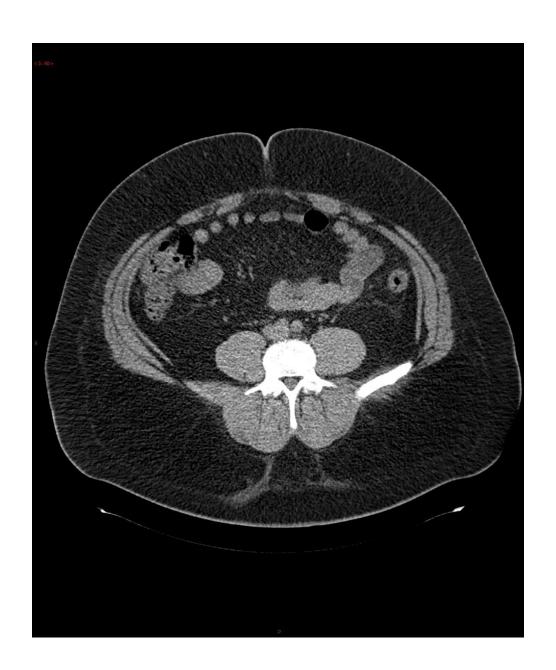


Convolutional Networks in 1D or 3D

1D and 3D generalizations of models

Convolutions in 2D and 1D















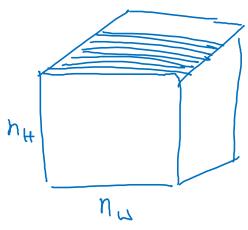






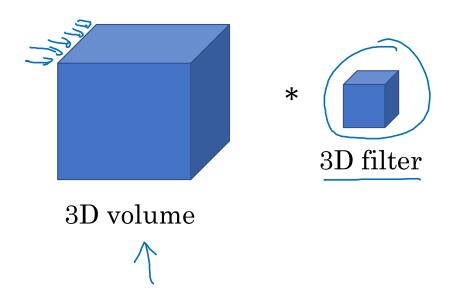






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3D convolution



$$\frac{1}{14 \times 14 \times 14} \times \frac{1}{14 \times 14 \times 14} \times \frac{1}{14 \times 14 \times 14} \times \frac{1}{16}$$

$$\Rightarrow 10 \times 10 \times 10 \times 16$$

$$\Rightarrow 5 \times 5 \times 5 \times 16$$

$$\Rightarrow 6 \times 6 \times 6 \times 32$$