Supervised Learning with Neural Networks

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Neural Network

- A neuron implements an activation function
- ReLU function $\to$ rectified linear unit (take max with 0) often used
- Stack neurons together to create network of multiple input features
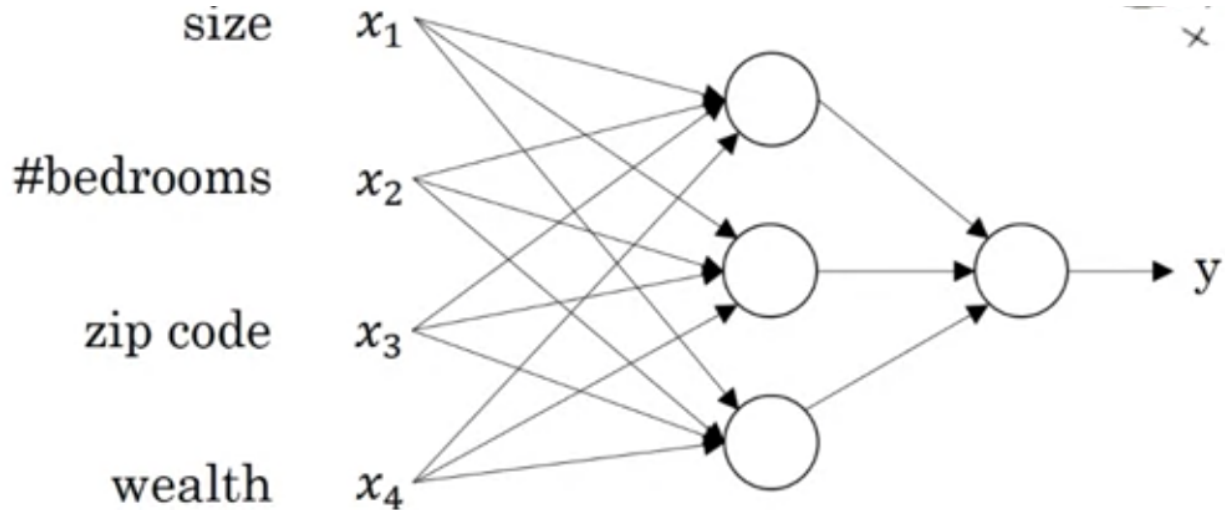- Provide input and output only (supervised learning)

Figure 1: Example CNN

- Given enough training data, very accurate in mapping an input to an output

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