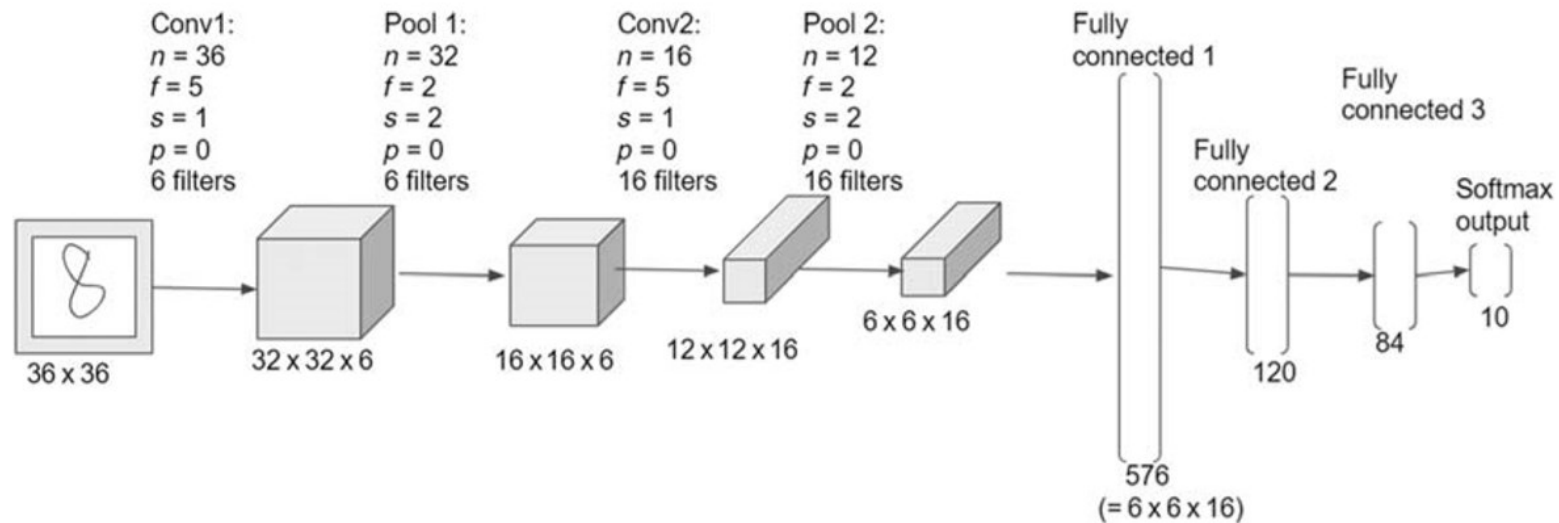


Deep Learning

Convolutional Neural Networks

Below, a classic CNN architecture introduced by LeCun (1989). It consists of several convolutional layers interspersed with max pool layers and finally followed by what are known as fully connected layers where the last convolution output matrix is flattened into its constituent elements and passed through a few hidden layers before terminating at an output layer. This was one of the first CNNs and was used to recognize handwritten digits.



Architecture of a typical CNN model.