Problem Statement

What?

The generative models can perform recognition driven segmentation. The method involves a relatively small number of parameters and hence training is relatively easy and fast.

Why?

Automating these tasks removes the need for human effort which is error prone in performing these kind of tedious works and improves speed as well as efficiency.

When?

The matter occurs when written by hand digits are not necessarily always of typically the same size, thickness, orientation, and validated to margins since they differ coming from writing of personal to individual.

How?

Unlike many other recognition schemes, it does not rely on some form of pre-normalization of input images, but can handle arbitrary scalings, translations and a limited degree of image rotation.

Where?

The digit recognition system is used in postal mail sorting, bank check processing, form data entry.