**Method:**

**Histogram:**

In my work first step is to capture and stored histogram. Histogram use to capture and store dataset images. Histogram stored in binary format in which I used pickle library to store histogram. Pickle is used for object serialization and deserialization. Pickling is process whereby python object hierarchy is converted into byte stream and unpickling is inverse operation. Once histogram is created after that I have started create my own dataset for my work.

**Dataset:**

I initially trained and tested on self-generated dataset of images I took myself. This dataset was a collection of 29 images. In my dataset consist of A to Z alphabet where I have captured 1200 images for specific alphabet. Each image size is 50 X 50 in gray scale. Additionally, People are able to generate and adding images to this dataset.

