Madhavan Mukund

Teaching

Advanced Mining Learning, Sep-Dec 2021

Advanced Machine Learning

Sep–Dec, 2021

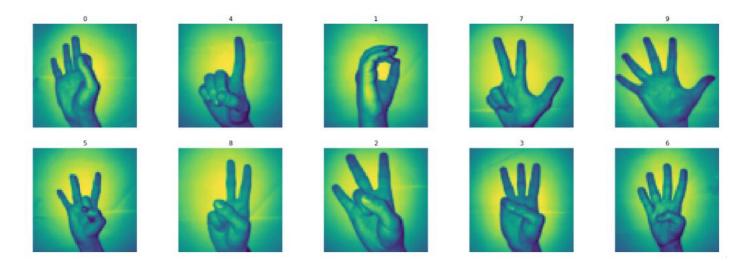### Assignment 2: Bayesian Optimization

5 December, 2021
Due 19 December, 2021

The Task

The Sign Language Digits Dataset contains 2062 64×64 pixel images of the digits 0 to 9 represented using sign language. Here are examples of the images

Apply Bayesian Optimization to find the optimal neural network architecture to classify the dataset.

- Here is the data, stored as NumPy arrays

- A worked out solution using CNNs for this dataset

Solving the Task

- Use Kaggle or Colab for this. Submit a link to your notebook via Moodle.

- You may work alone or in groups of two. Each group makes a single submission to Moodle. Use either person's Moodle account to submit. The submission should mention the names of the two partners.

Last modified: 5 Dec 2021