**51.Online Handwritten Assamese Characters Dataset**

1. 数据库网址

https://archive.ics.uci.edu/ml/datasets/Online+Handwritten+Assamese+Characters+Dataset

2. 数据库描述

【1.[数据集名称]数据集由[机构名或人名]采集；】The data used in our experiments were collected by Udayan BaruahÂ¹ Â² and Shyamanta M HazarikaÂ¹, from department of Computer Science and Engineering, of Tezpur University..【2.用于[什么实验目的]】We used the database to classify the online handwritten assamese characters.【3】A dataset of online handwritten assamese characters by collecting samples from 45 writers is created. Each writer contributed 52 basic characters, 10 numerals and 121 assamese conjunct consonants. The total number of entries corresponding to each writer is 183 (= 52 characters + 10 numerals + 121 conjunct consonants). The total number of samples in the dataset is 8235 ( = 45\*183 ).【4】The database has 5620 samples, respectively belong to trainning with 6588 samples and testing with 1647 samples. The categories of system include 3 categories, as shown in Table 1.

Table 1 Category Distribution of System [根据数据库绘制]

|  |  |  |  |
| --- | --- | --- | --- |
| Categories | Training | Testing | Total Number of Samples |
| Basic characters | 1872 | 468 | 52\*45=2340 |
| Numerals | 360 | 90 | 10\*45=450 |
| Assamese conjunct consonants | 4356 | 1089 | 121\*45=5445 |
| Total number of samples in total | 6588 | 1647 | 8235 |

3. 精简描述

The Data in our experiment were collected by Udayan BaruahÂ¹ Â² and Shyamanta M HazarikaÂ¹. The dataset includes have 1364 samples, which used to classify the online handwritten assamese characters. Through which, we divided the dataset into two part, training data set with 6588 samples and forecasting data set with 1647 samples.