

## INFORMATION ON DATASET

- This dataset shows the cursive handwritten samples in the dataset, where for each image the CSV provides **9 features** entered by the document examiner which constitutes the human engineered features.
- Number of writers: 1026
- Number of handwritten samples: 3524
- Filename Format: XXXXY\_numZ.png where:
  - XXXX is writer number,
  - Y is page number,
  - Z is occurrence of 'AND' in Y

## FEATURE DESCRIPTION

Table 1: Characteristics of *and* for cursive writing as specified by QD examiners.

| Initial stroke of formation of <i>a</i> ( $x_1$ ) | Formation of staff of <i>a</i> ( $x_2$ ) | Number of arches of <i>n</i> ( $x_3$ ) | Shape of arches of <i>n</i> ( $x_4$ ) | Location of mid-point of <i>n</i> ( $x_5$ ) | Formation of staff of <i>d</i> ( $x_6$ ) | Formation of initial stroke of <i>d</i> ( $x_7$ ) | Formation of terminal stroke of <i>d</i> ( $x_8$ ) | Symbol in place of the word <i>and</i> ( $x_9$ ) |
|---|--|--|---------------------------------------|---|--|---|--|--|
| Right of staff (0)                                | Tented (0)                               | One (0)                                | Pointed (0)                           | Above baseline (0)                          | Tented (0)                               | Overhand (0)                                      | Curved up (0)                                      | Formation (0)                                    |
| Left of staff (1)                                 | Retraced (1)                             | Two (1)                                | Rounded (1)                           | Below baseline (1)                          | Retraced (1)                             | Underhand (1)                                     | Straight across (1)                                | Symbol (1)                                       |
| Center of staff (2)                               | Looped (2)                               | No fixed pattern (2)                   | Retraced (2)                          | At baseline (2)                             | Looped (2)                               | Straight across (2)                               | Curved down (2)                                    | None (2)   |
| No fixed pattern (3)                              | No staff (3)                             |  | Combination (3)                       | No fixed pattern (3)                        | No fixed pattern (3)                     | No fixed pattern (3)                              | No obvious ending stroke (3)                       |  |
|   | No fixed pattern (4)                     |  | No fixed pattern (4)                  |   |  |   | No fixed pattern (4)                               |  |

~END~