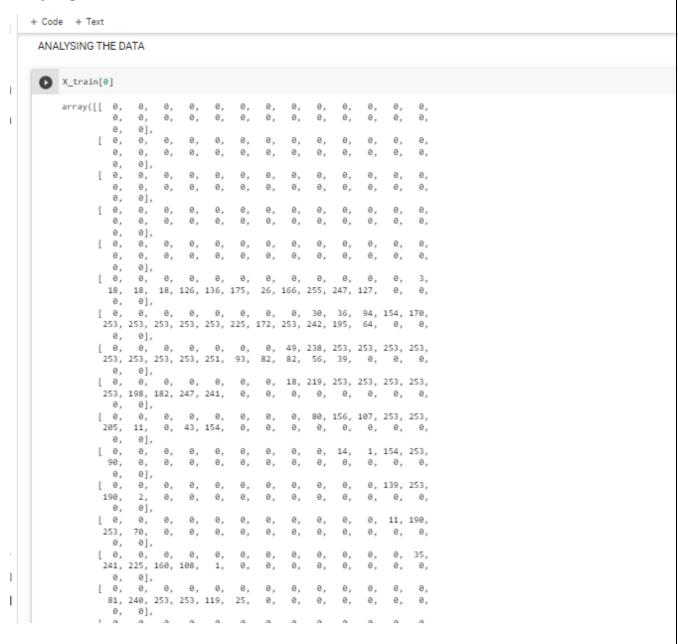
A Novel Method for Handwritten Digit Recognition System

Analyzing The Data



```
+ Code + Text
             0, 0],
0, 0, 0, 0, 0, 0, 0,
81, 240, 253, 253, 119, 25,
 0
                                              0,
0,
                                                  0,
                                                       Θ,
           0, 0],
[ 0, 0, 0,
                           Θ,
                               Θ,
                 45, 186, 253, 253, 150, 27,
              0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 16, 93, 252, 253, 187, 0, 0,
              0, 0],
0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 249, 253, 249, 64,
                                                 0,
                                                       Θ.
                                                           0.
                                                                    Θ.
              [
           [ 0, 0, 0, 0, 0, 0, 0, 0, 148, 229, 253, 253, 253, 250, 182,
                                                  0,
0,
                                                       0,
0,
                                                           0,
0,
                 0],
0, 0,
            [ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 24, 114, 221, 253, 253, 253, 253, 261, 78, 0, 0, 0, 0, 0, 0, 0,
            0, 0],

[ 0, 0, 0, 0, 0, 0, 0, 0, 23, 66, 213, 253, 253, 253, 253, 198, 81, 2, 0, 0, 0, 0, 0, 0, 0, 0,
           0, 0],

[0, 0, 0, 0, 0, 0, 18, 171, 219, 253, 253, 253, 253, 195, 80, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
                  Θ.
                   0],
                   0],
           ]
                   0],
              0.
                      0,
0,
                          0, 0,
0, 0,
                   0],
                       0, 0]], dtype=uint8)
[ ] y_train[0]
```

:}

9

```
+ Code + Text
   for i in range(9):
    plt.subplot(330 + 1 +i)
    plt.imshow(X_train[i], cmap = plt.get_cmap('gray'))
    plt.show()
   D.
```