



Implement Center Module für Learning Api -Software Engineering WS 18/19-

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Content

1. Methods
2. MNIST-Dataset of Handwritten Digits
3. Architecture
4. Implementation

Methods

- **Building the Average**

- sum up all the values and divide them by the sum of number of values

- **Binarization of an array**

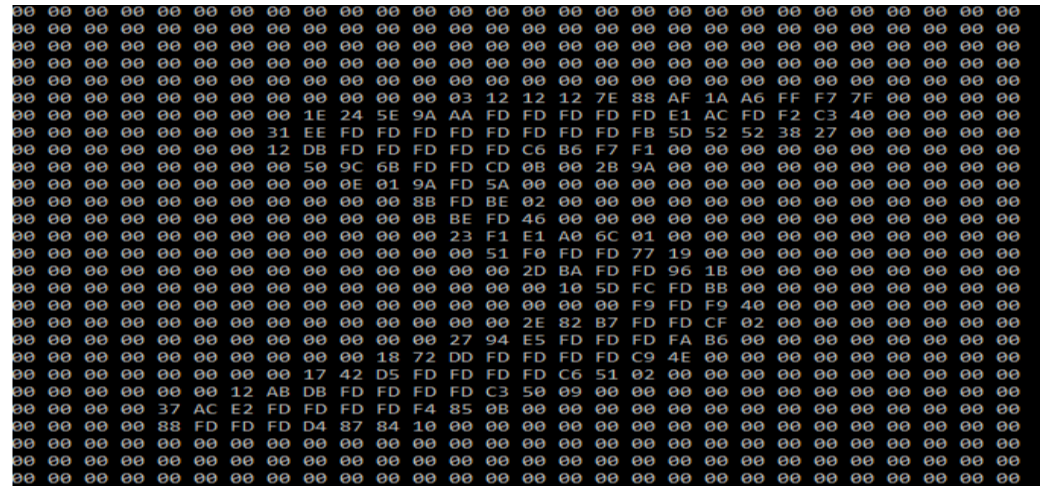
- Build the average overall entries in the Array

- Every entry which is bigger than the average will be replaced with 1

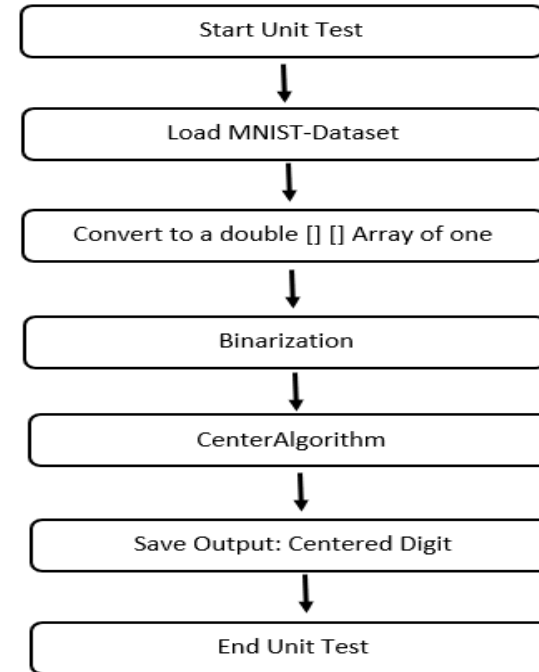
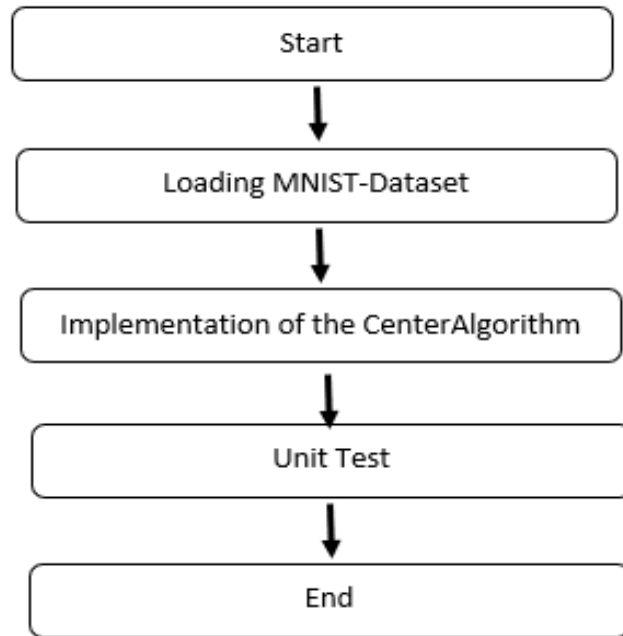
- Every entry which is smaller will be replaced with 0

MNIST-Dataset of Handwritten Digits

- Big Dataset of Handwritten Digits from 0-9 (over 60.000 Images)
- Dataset is used in the field of machine Learning
- Every Dataset consists of two files (label and pixel)
- Size: 28x28 pixels



Architecture



Implementation

- Code explanation
- Present Unit-Tests

Thank you for you Attention!

Questions?