

Dimension Reduction by Ring Projection Pipeline Module

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Master IT Course

Software Engineering

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Introduction

- LearningAPI
 - Machine Learning libraries
 - .NET Core
 - Pipeline Module
- Ring-Projected Algorithm

Ring-Projected Algorithm

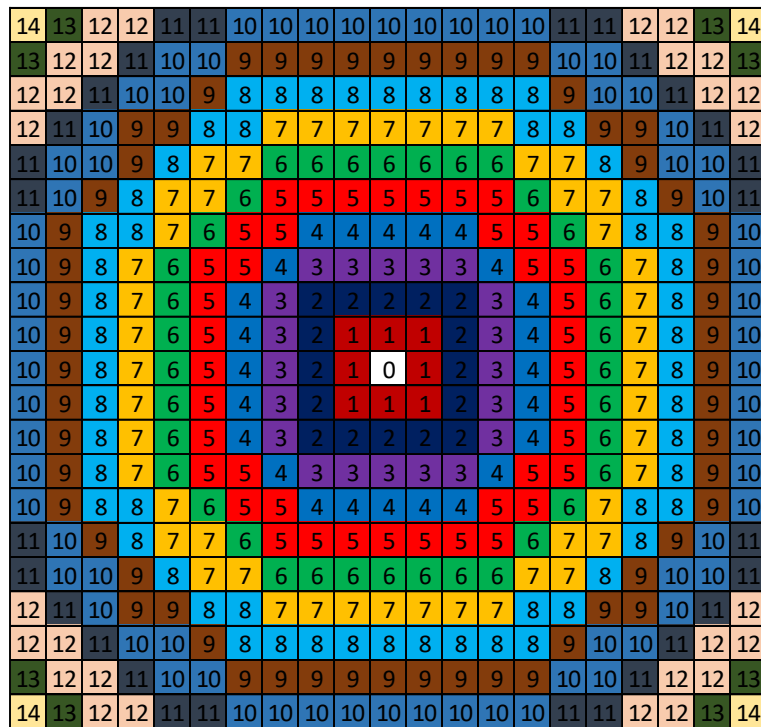


Fig. 1. Loop iteration of Ring-Projected Algorithm

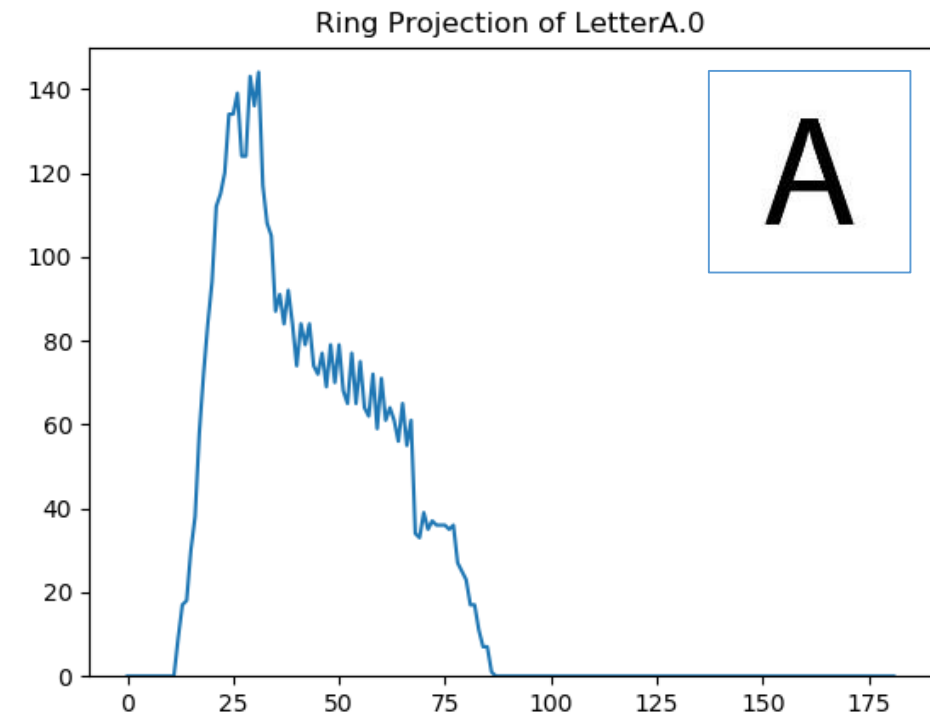
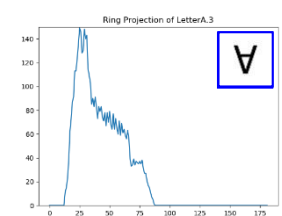


Fig. 2. Ring-Projected function of letter A

Implementation

- Code explanation



Results



Fig. 3.Box plot of correlation coefficients corresponding to ring-projected functions of letter A

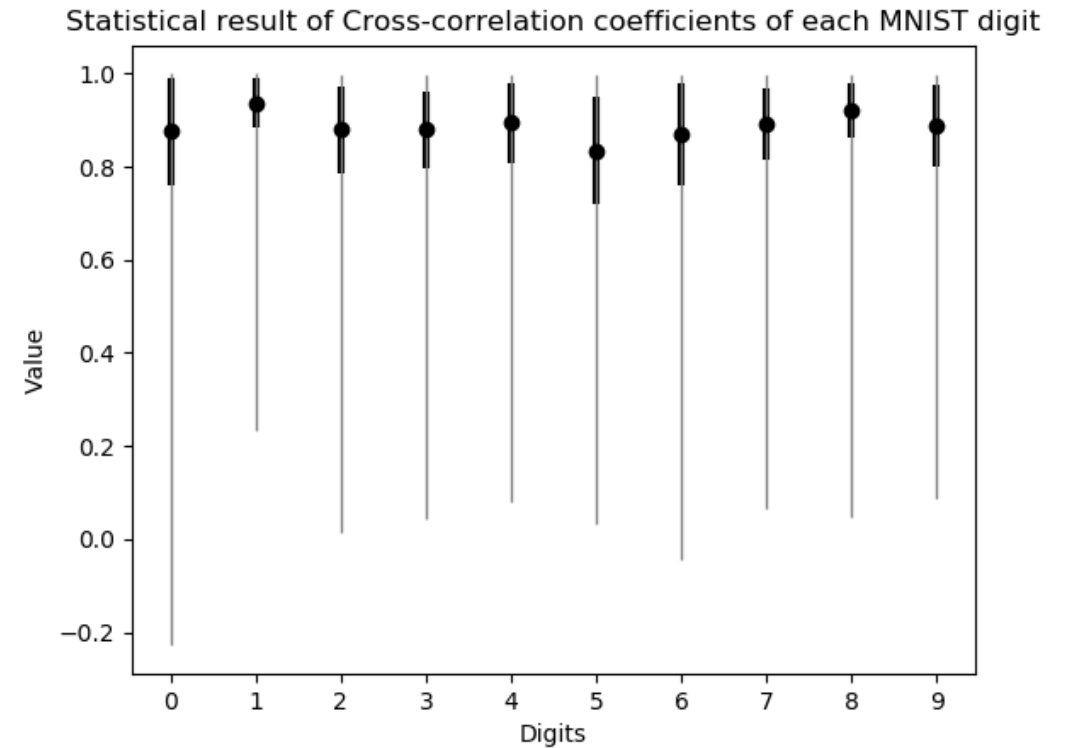


Fig. 4. Visualization of the relation among MNIST images with the same label

Thank you for your listening

References

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