Kuzushiji Recognition

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Introduction

Digit classification?

Great dataset
(+8000 pages)

No background
Initial Approach

Detection

Classification

Japanese
Detection

**CenterNet** (original paper)

Problems?
- False positives
- Limited
Classification

Data & Labels → Simple ResNet 18 → Network training → Augmentations
Final Results

Input / Prediction / Target

Score: 0.910
Future Work
Conclusion

• Simple 2-stage solution.

• Only 1 GPU and Kaggle Resources.

• All in less than a day (training + inference).

• Kuzushiji will survive!
Thank you!

CODE:
https://github.com/mv-lab/kuzushiji-recognition

Questions:
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