Portfolio

https://github.com/ino-jeong/Portfolio
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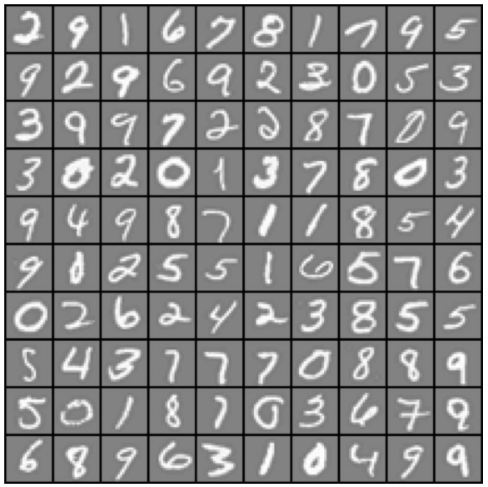
1. OCR implementation, multi-class classification (Coursera)

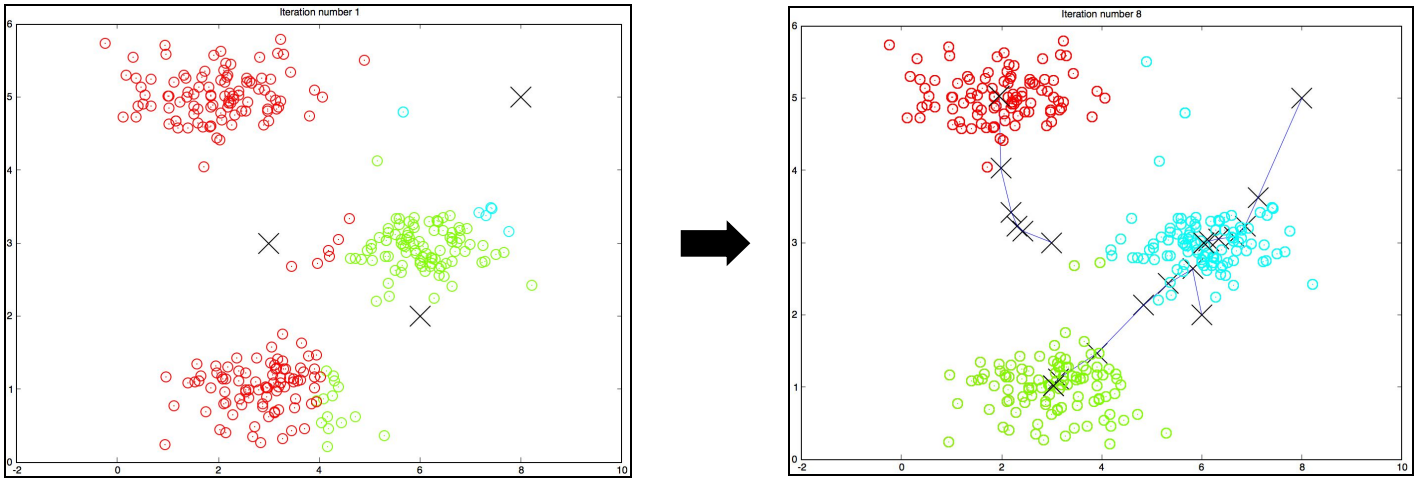


- https://github.com/ino-jeong/Portfolio/tree/master/OCR(multiclass_classification)
- 구현환경 : GNU Octave (3.8, Mac OS)
- Coursera Machine Learning 과정 구현 과제
- Training set : 20 X 20 pixel, grayscale, 5000 examples of handwritten digits
- Model : Multi-class classification
- Cost function 및 Training / Prediction 과정 구현

2. OCR implementation, neural-net (Coursera)

- https://github.com/ino-jeong/Portfolio/tree/master/OCR(neural_net)
- 구현환경 : GNU Octave (3.8, Mac OS)
- Coursera Machine Learning 과정 구현 과제
- Training set : 20 X 20 pixel, grayscale, 5000 examples of handwritten digits (1번과 동일 set)
- Model : Neural Net, 3 layer (1 hidden layer)
- Layer 구성 및 backpropagation 구현

3. Image compression with K-means clustering (Coursera)



Basic k-means clustering implementation (left : iteration 1 / right : after 8 iteration)

- https://github.com/ino-jeong/Portfolio/tree/master/Image_Compression(K_means)
- 구현환경 : GNU Octave (3.8, Mac OS)
- Coursera Machine Learning 과정 구현 과제
- Model : K-means
- K-means clustering algorithm 구현 (find 3 clusters)