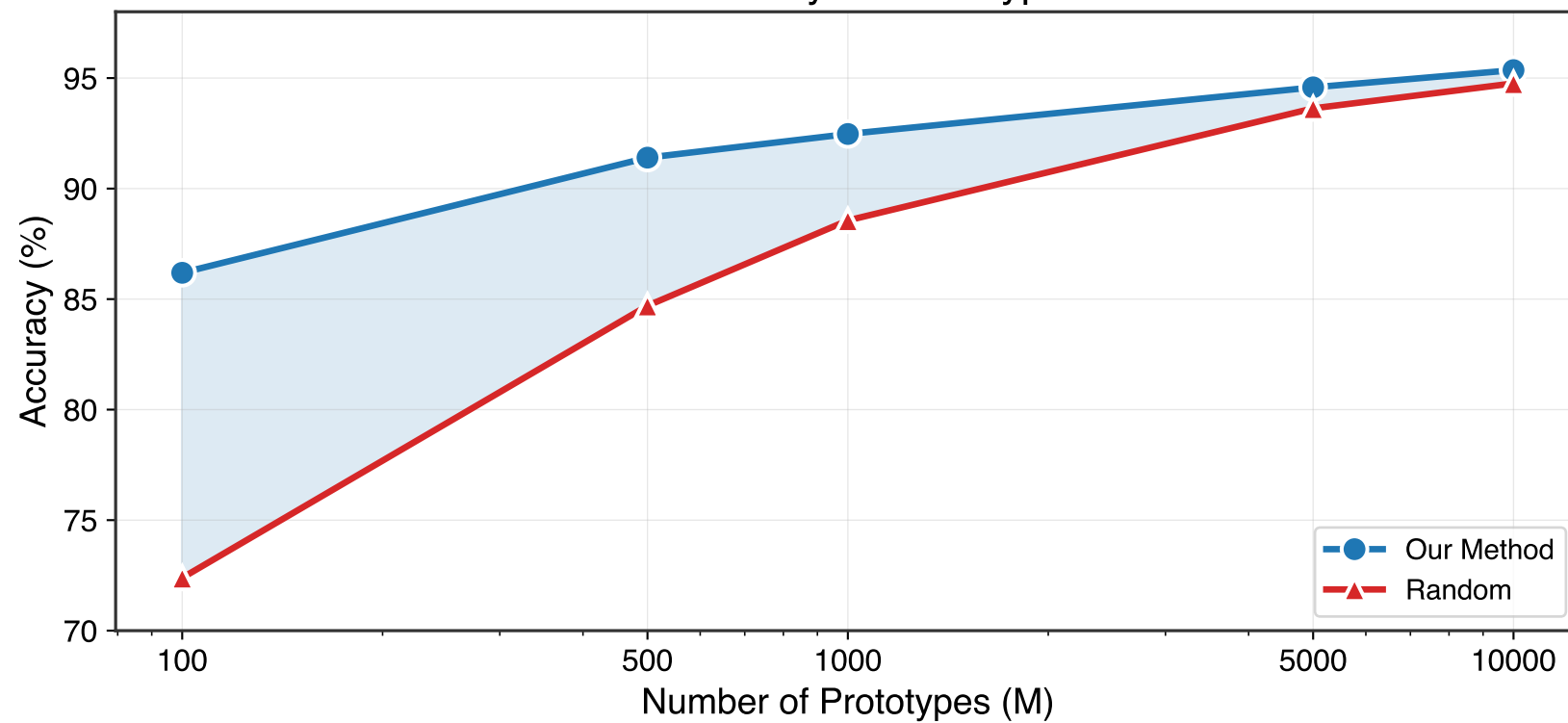
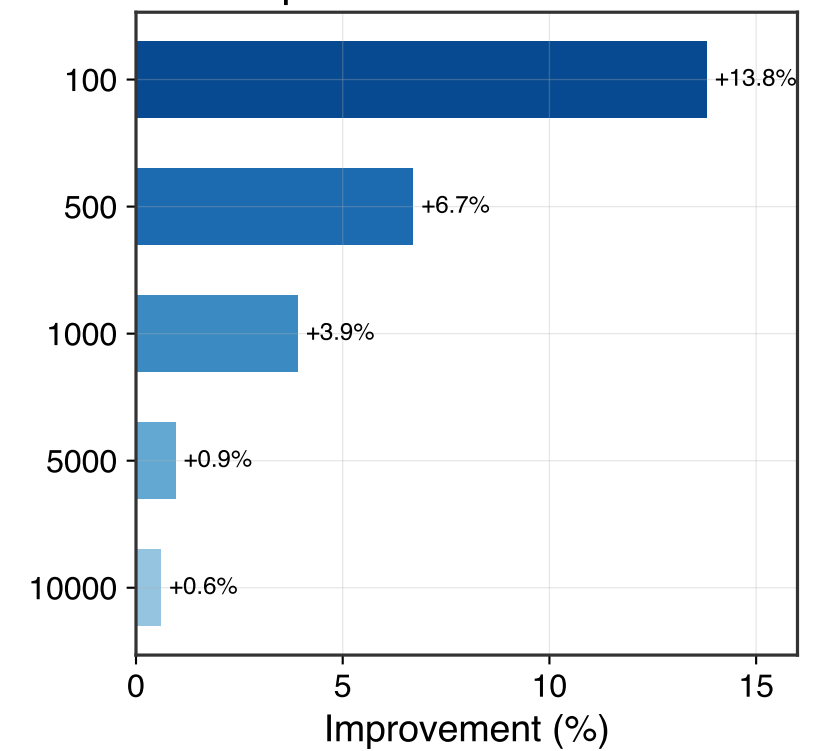


# Prototype Selection for 1-NN Classification on MNIST

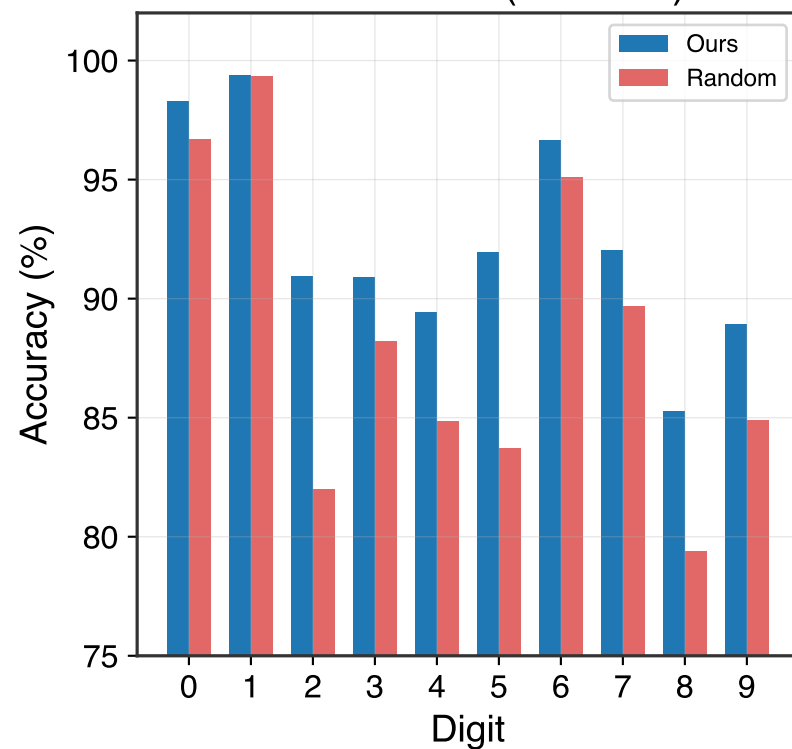
## A. Accuracy vs Prototypes



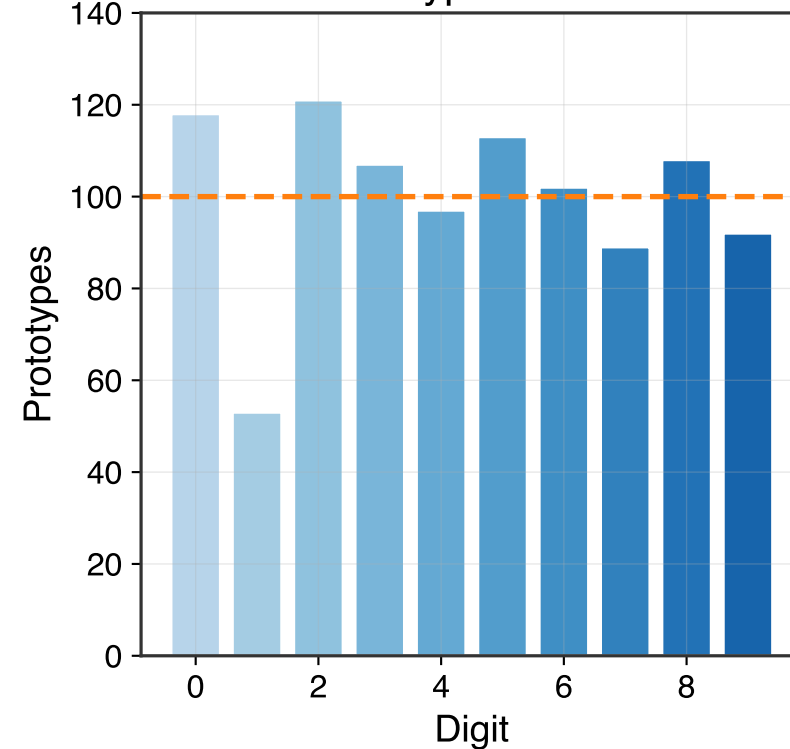
## B. Improvement over Random



## C. Per-Class (M=1000)



## D. Prototype Allocation



## E. Summary

### Key Results (M = 1,000)

Our Method: 92.47% accuracy  
Random: 88.56% accuracy  
Improvement: +3.91%

Compression: 60x  
(60,000 → 1,000 prototypes)

Selection Time: ~15 seconds