

# MACHINE LEARNING

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SEU — 2024 Spring  
Assignment 3

## § Model Selection and Evaluation & Neural Networks §

### Problem 1: Multi-layer Perception

- (1)
- (2)

### Problem 2: Gradient explosion and gradient vanishing

- (1)
- (2)

### Problem 3: CNN

- (1) The total number of parameters in this neural network is 12.
- (2)
- (3)

### Problem 4: CNN

### Problem 5: RNN: BPTT