

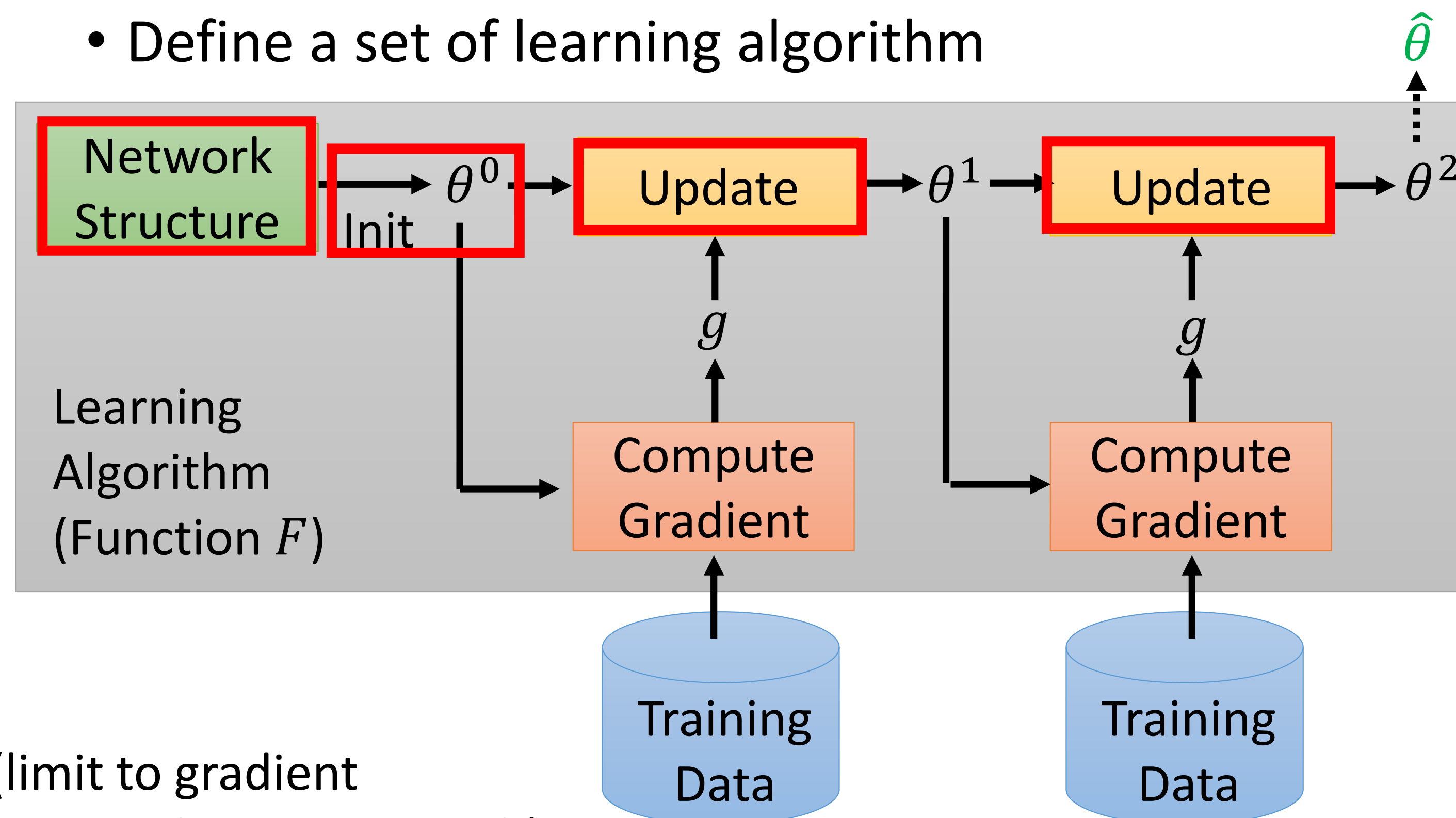
# Preliminary Work

## Meta-Learning

## Meta Learning

Different decisions in the red boxes lead to different algorithms. What happens in the red boxes is decided by humans until now.

- Define a set of learning algorithm



(limit to gradient descent based approach)



# Preliminary Work

## Meta-Learning

Meta Learning

$$L(F) = \sum_{n=1}^N l^n$$

$N$  → N tasks  
 $l^n$  → Testing loss for task n after training

- Defining the goodness of a function  $F$

