

# Preliminary Work

## Meta-Learning

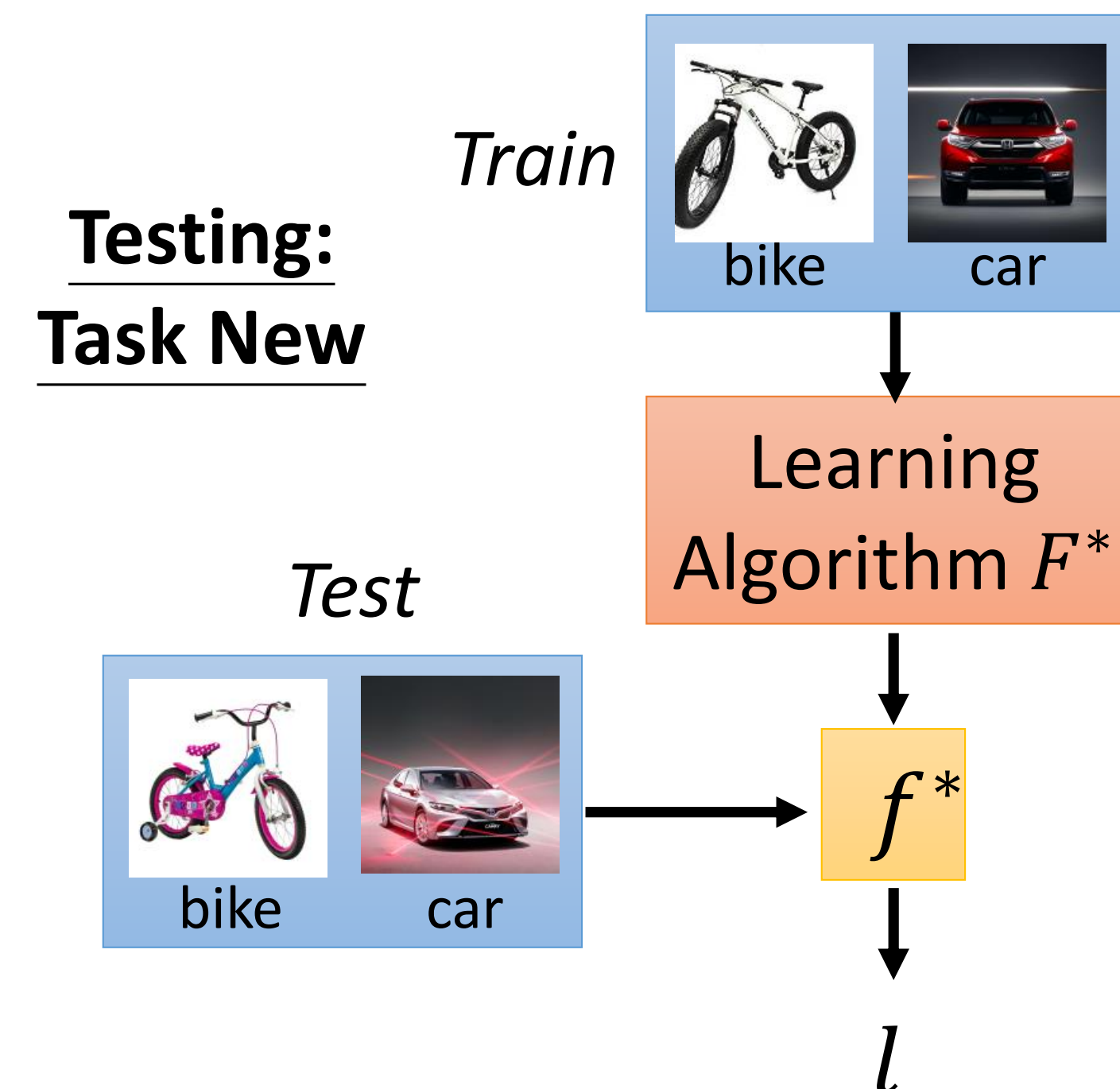
## Meta Learning

- Defining the goodness of a function  $F$

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

- Find the best function  $F^*$

$$F^* = \arg \min_F L(F)$$



# Preliminary Work

## MAML (Model-Agnostic Meta-learning)

- Proposed at ICML'17
- MAML is a representative algorithm of **gradient-based** meta-learning approaches.