Outer loop

1. Sample a batch of tasks from the meta-train set

2. For each task t, perform the inner loop:

Inner loop

a) Sample $D_{\,\, \rm train}^t$ and $D_{\,\, \rm test}^t$

b) Adapt the model on D_{train}^{t}

c) Compute the generalisation loss on D_{test}^{t}

 $\mathcal{L}(D_{ ext{test}}^t \mid \theta, D_{ ext{train}}^t)$

3. Update θ to minimise the empirical meta-risk

 $\frac{1}{|T|} \sum_{t \in T} \mathcal{L}(D_{\text{test}}^t \mid \theta, D_{\text{train}}^t)$