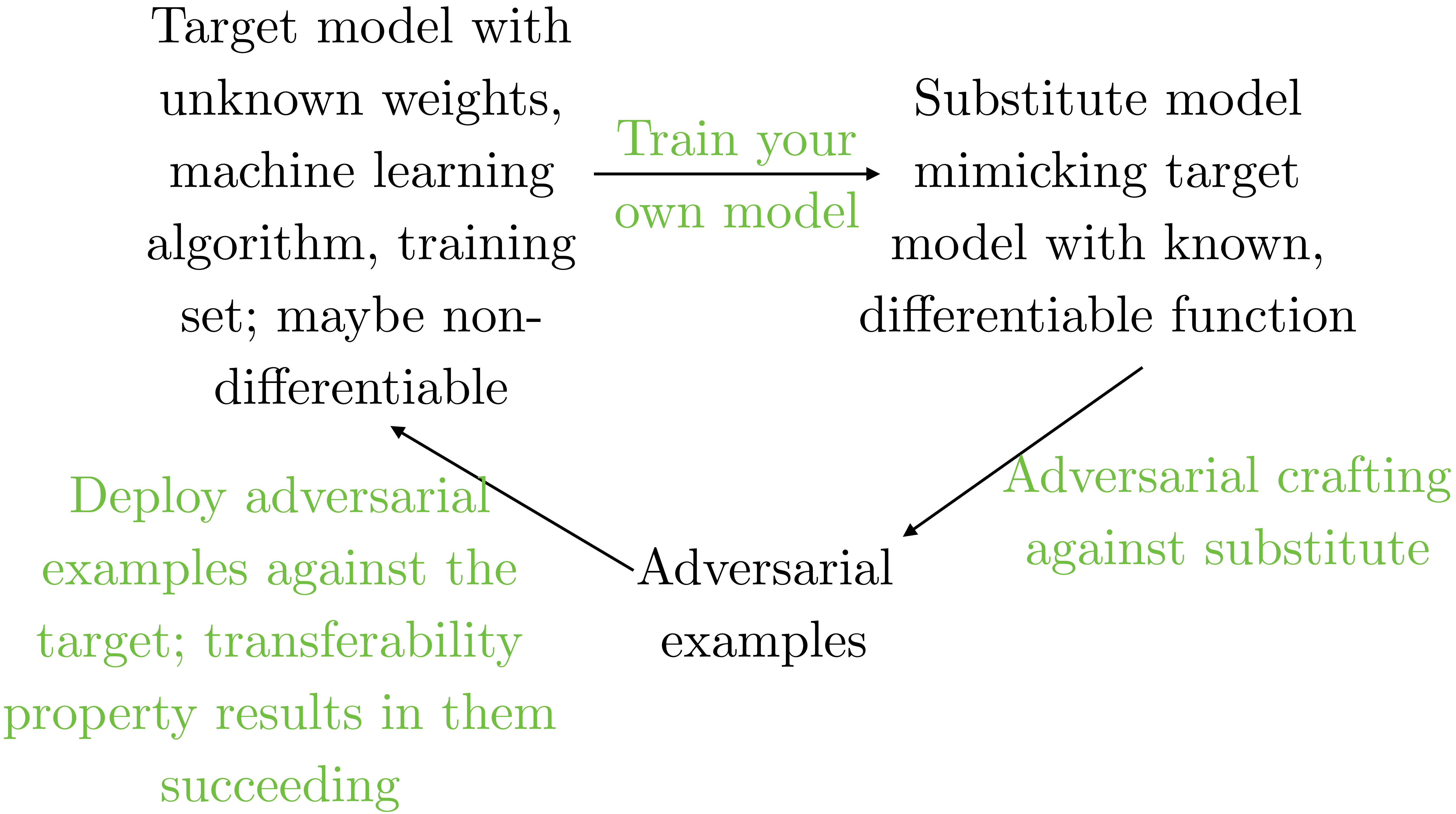
Transferability Attack



Target model with unknown weights, machine learning algorithm, training set; maybe non-differentiable

Train your own model

Substitute model mimicking target model with known, differentiable function

Adversarial crafting against substitute

Adversarial examples

Deploy adversarial examples against the target; transferability property results in them succeeding

(Goodfellow 2016)