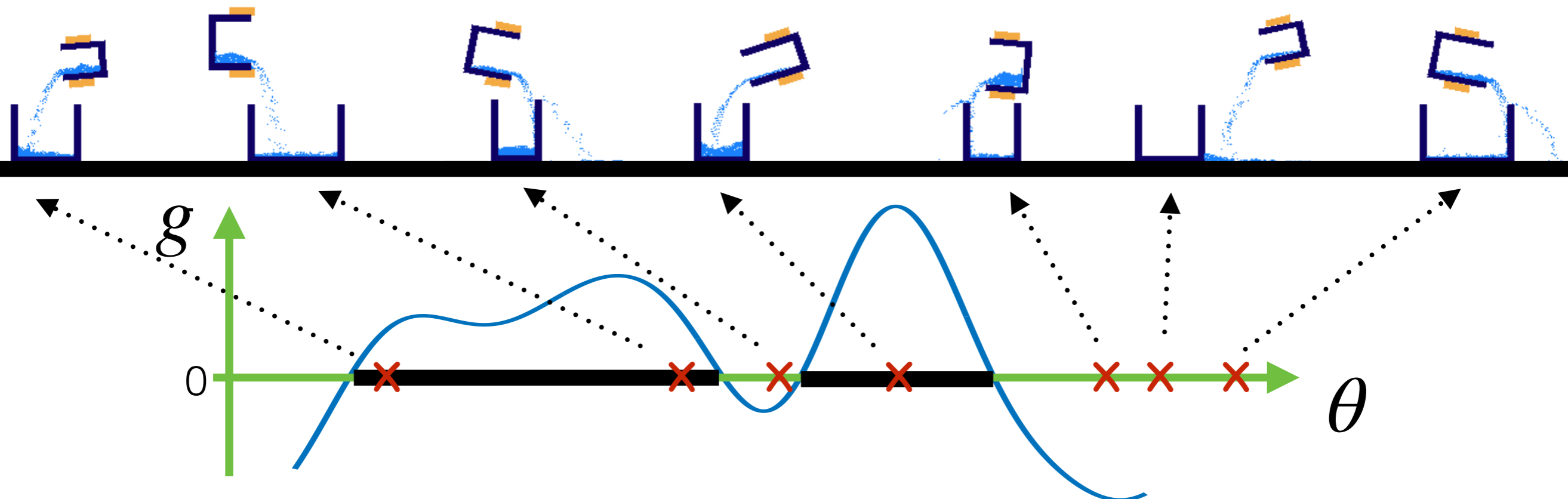


Learning constraints with few samples

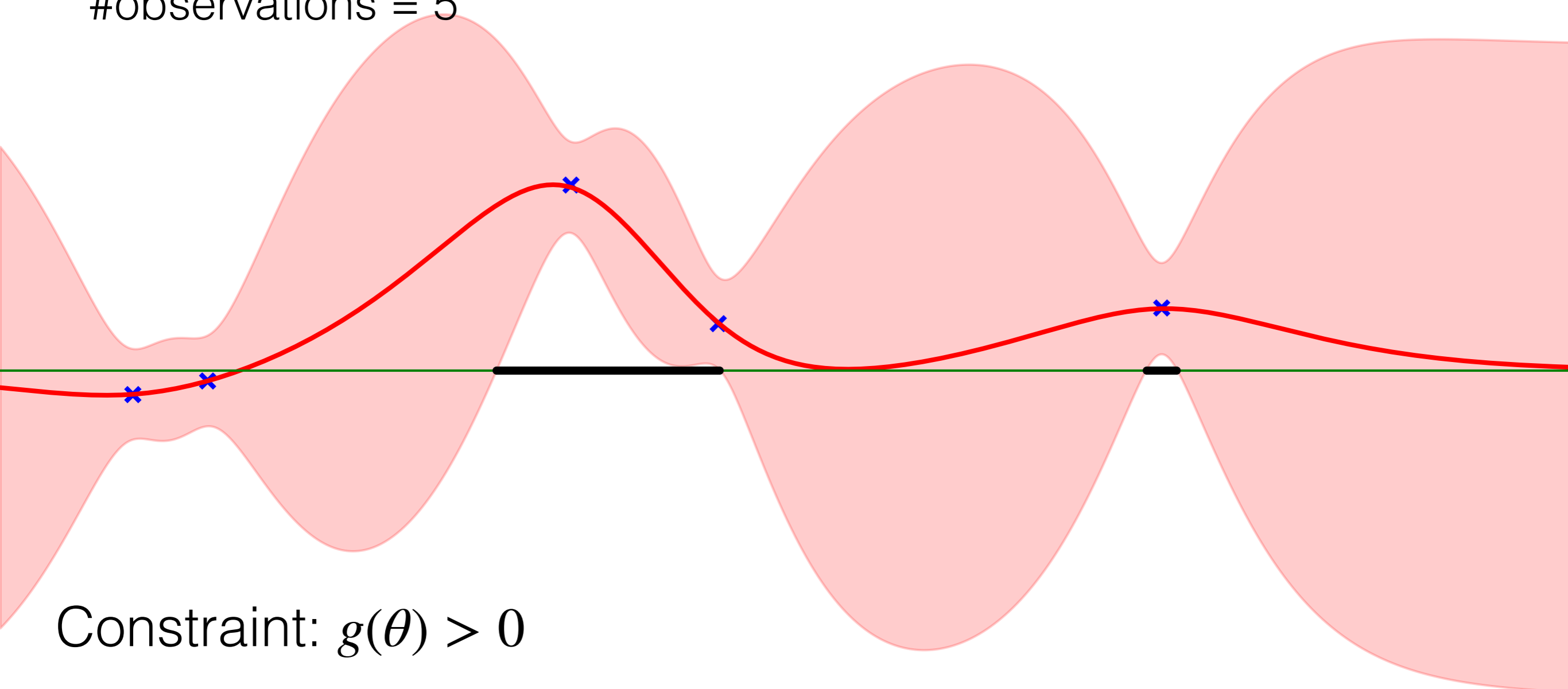
- Real robot experiments or high fidelity simulations are expensive
- How to actively select what parameters to test?



Modeling constraints with Gaussian processes

- mean function $\mu(\theta)$
- confidence interval $\mu(\theta) \pm 2\sigma(\theta)$
- × observation $(\theta_i, g(\theta_i))$

#observations = 5



Constraint: $g(\theta) > 0$