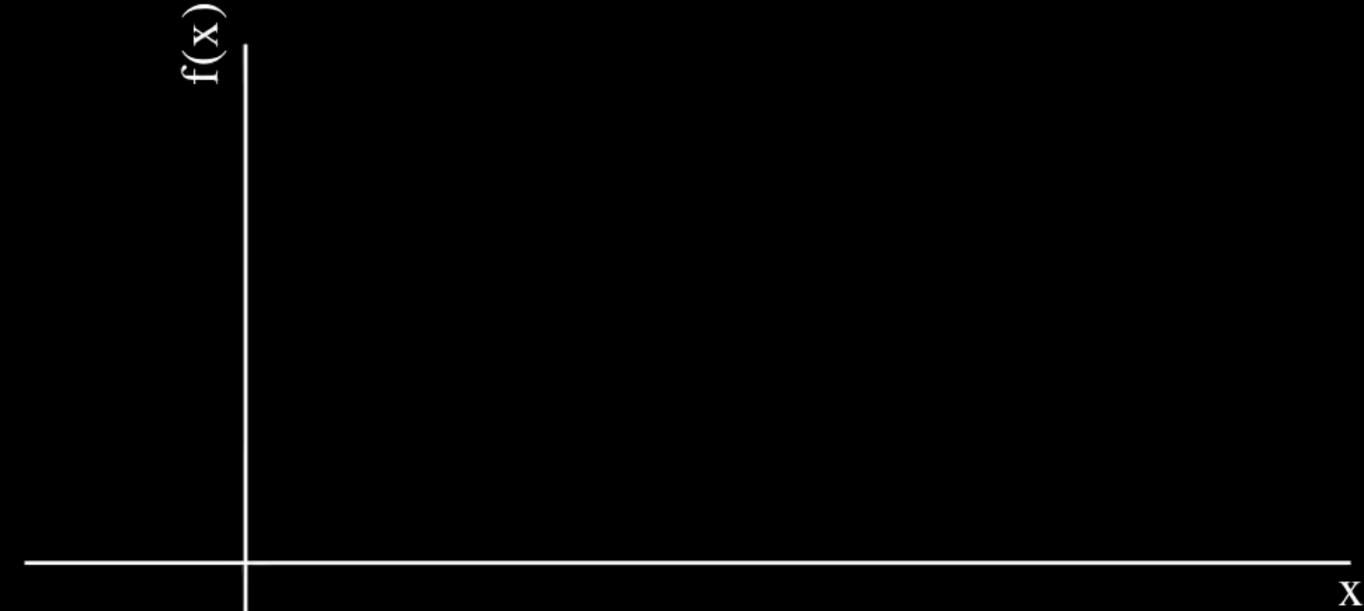




A surrogate model for the Likelihood

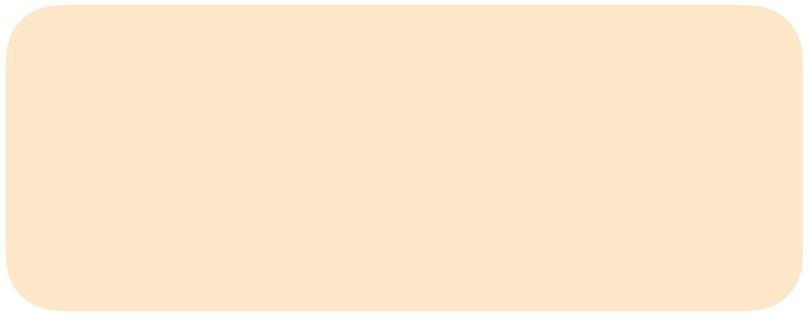






$L_{\text{surr}}(\Lambda \mid \mathscr{D}) \sim$

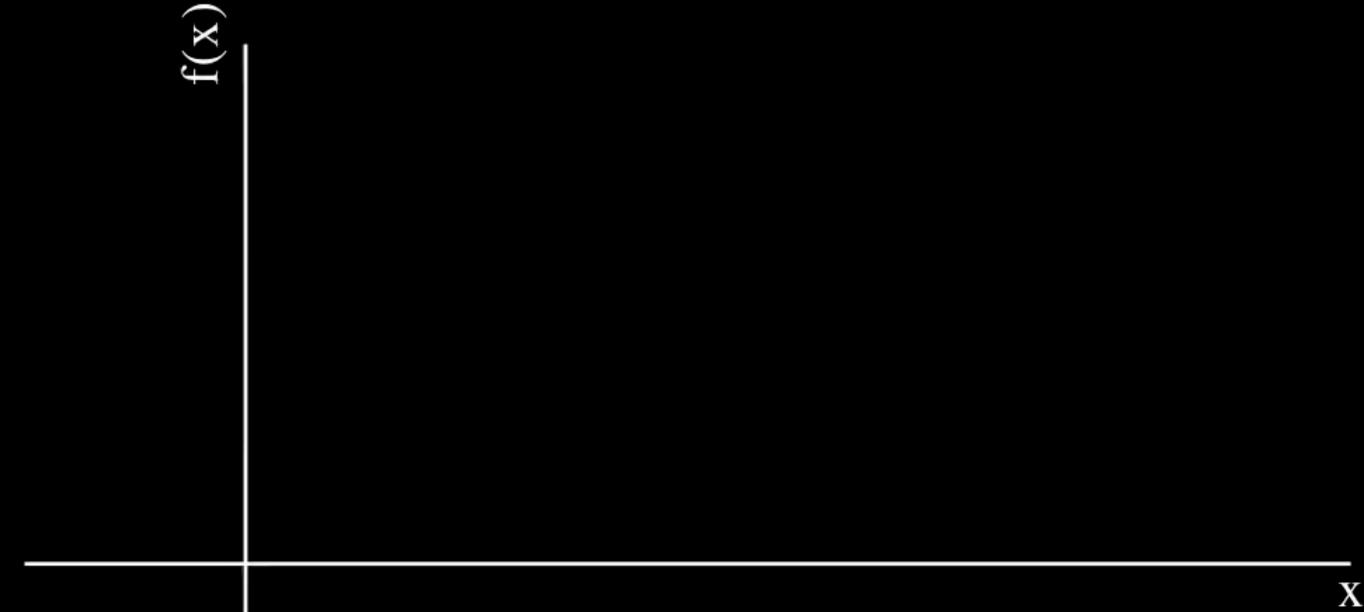
$$\mathcal{N}(\mu_{\text{GP}}(\Lambda), \, \sigma_{\text{GP}}^2(\Lambda))$$





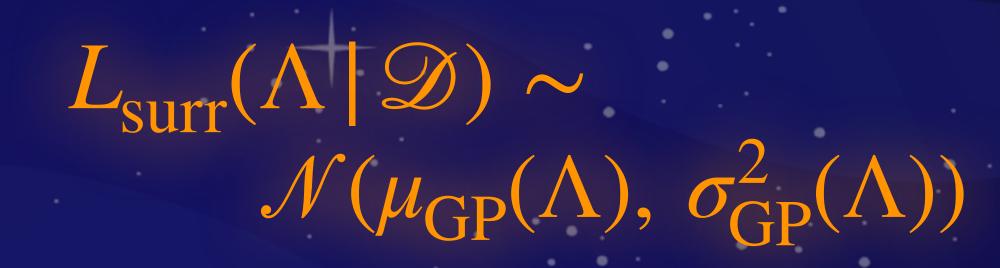






Forward (simulator) modelling A surrogate model for the Likelihood



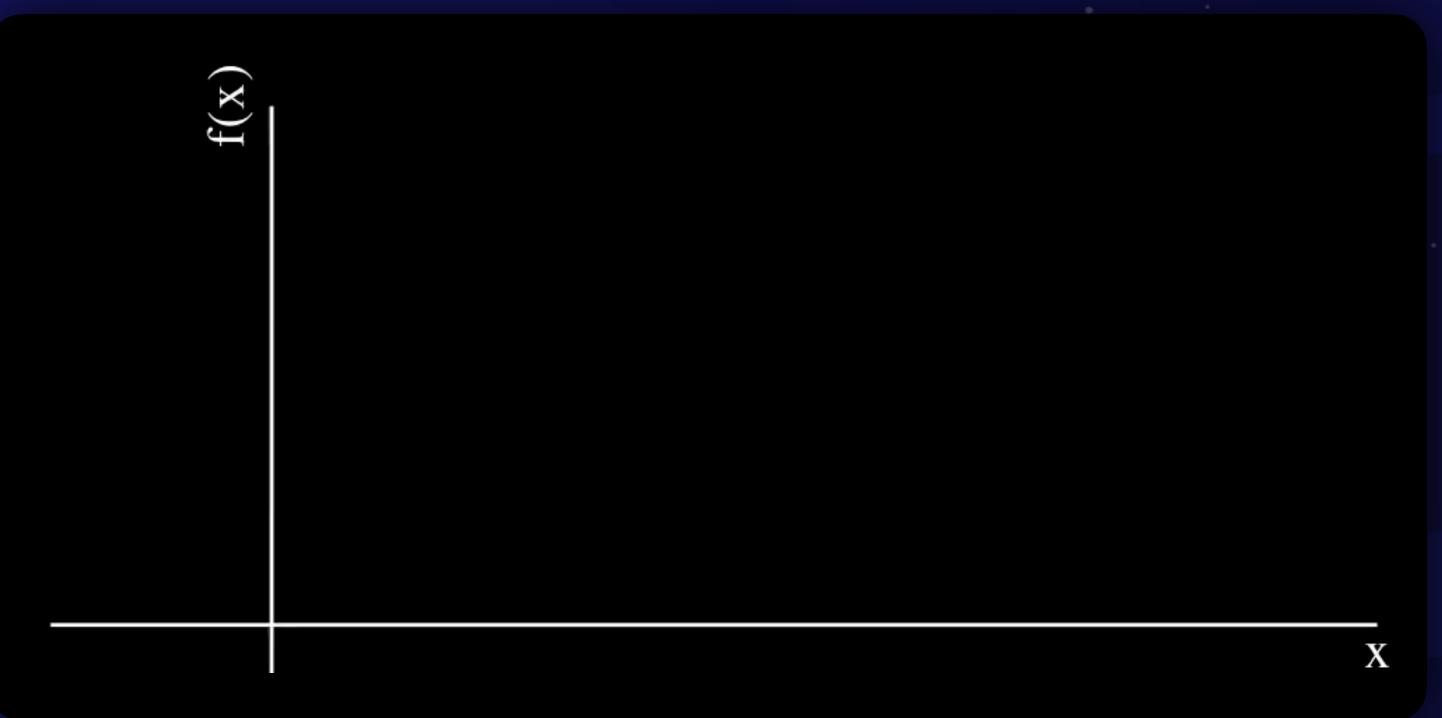


An active learning process

Observe training data as needed

Exploration dictated by $\sigma_{
m GP}$

Exploitation (Local optimisation) dictated by μ_{GP}



Bayesian optimisation Active learning for the surrogate Likelihood

