# Task Descriptions

## Rephrased task descriptions

[You can predict TARGET based on FEATURES. Please provide a mean and standard deviation for a Gaussian prior for a linear model...]

A base task description is rephrased by a language model many times to produce a distribution over relevant task descriptions.
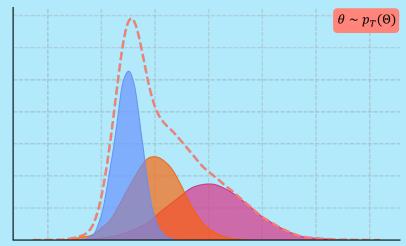
# Language Model

The language model outputs a Gaussian prior for each task description, which we use to build a mixture.

$\theta \sim p_T(\Theta)$

# Data

Data points

Data points are used to update the prior to produce the posterior with Monte Carlo methods.

# Calculate posterior

$$p(\theta|D) \propto p(D|\theta)\, p(\theta)$$

# Make predictions