- → Model parameters are estimated from data automatically while model hyporparameters are set manually & are used in the process to help estimate model parameters.
- → Parametric Statistics is a branch of statistics which assume that the sample data comes from a population that can be adequately modeled by a probability distribution that has a fixed set of parameters.
- to Non-parametric model doesn't assume an explicit mathematical form for the distribution Then modelling the data

Parametric ML Algos that simplify the function to Summarizes data with a set of parameters of fixed size (independent of the # of training examples)

Simpler

Constrained

Don't Scenario Cons Livited Complexity

Non-parametric MI Algos - B don't make strong assumptions tree to learn any Non-parametric methods are good when the form of the mapping function functional form when we have a 1st of dula & no prior knowledge

There's' L'Ly more dular

Pros. Power (ons Slower