

## What are the traditional regression models ?

	Distributional assumption	Regression component	R function
Normal linear model	Normal	Linear	"lm"
Normal nonlinear model	Normal	Nonlinear	"nls"
Generalized linear model (GLM)	Exponential family (Normal, Gamma, Binomial, Poisson etc)	Linear through "a link function"	"glm"
Nonparametric regression model	Normal	Nonparametric	"gam"
Generalized additive model (GAM)	Exponential family (Normal, Gamma, Binomial, Poisson etc)	Nonparametric through "a link function"	"gam"
More models in machine learning methods	Distribution free	Linear, nonlinear, nonparametric, NN	many