

SYMBOL	DEFINITION
t	Unknowable true function that completely describes our phenomena
f	Unknowable function that perfectly captures data points in \mathbb{D}
g	$g = \mathcal{A}(\mathbb{D}, \mathcal{H})$, our model approximation to f
h^*	Candidate function that aproximates f
δ	Error due to ignorance
ϵ	Noise Error
z_1, \dots, z_t	Unknown causal drivers of the t (true) function
\mathbb{D}	Data set we use as training data in supervised learning
\mathcal{H}	Infinite set of candidate functions h that approximate f
\mathcal{A}	The algorithm we choose to use with the goal of producing a better g approximation
\mathcal{X}	Co-variate/Input space
\mathcal{Y}	Output Space
X	Design Matrix
y	Response, Outcome, Endpoint, Dependent Variable
n	Sample size
p	Feature that we try to capture about our phenomena
x	Measurement about our feature p
x_1, \dots, x_p	Set of measurements we make about our p features
x_1, \dots, x_n	Set of all data points