

FUNCTION APPROXIMATORS

Why

Since the set of real functions is a vector space, we may be interested in representing f in a basis of "simpler" basis functions.

There may be no such set that can reprent f. So instead we may be interested in an element $g \in g_1, \ldots, g_d$ which approximates f. ¹

Definition

A real function approximator for a function $f:\to$ is a function $g:\to$.

¹Future editions will modify.

