

On Varieties of Multivariate Adaptive Regression Splines and Their Recent Applications

Abstract: CMARS, RCMARS, CGPLM an RCGPLM are just some of the recent of the new methods of data mining and of statistical learning, supported by new advances in mathematics and useful many fields of science and all the applied sciences. We will introduce them and apply them on some emerging subjects of economics and finance. As one emerging application subject we identify stochastic differential equations equipped with fractional Brownian motions. The presentation ends with a conclusion and an outlook to future studies.