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79968. *Interpolating techniques and non-parametric regression methods applied to geophysical and  
financial data analysis*. Preliminary report.

Two deterministic models are applied to a spatial earthquake data set that list all the earthquake magnitude in different locations in a certain time period. We further use the modified version of the same technique to analyze financial data in order to find a curve of best fit. Our modeling techniques turn out to be robust and accurate to handle these kind of data set, and could be combined in the future with stochastic models. (Received September 03, 2014)