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## Statistical Tools as Landscape Archaeology

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## Abstract

Recent developing in the Romanian Heritage Protection Policy brought into light the interest for building huge databases of protected sites and monuments grounded on GIS principles in order to better supervise the interaction between the National Heritage and the developers blueprints.

The superior use of these databases for heritage management and protection or as sources of scientific meanings may be obtained through archaeological predictive modeling. But previous to loading and analyzing the predictive model, numerous other steps are required to integrate the raw data sets into functional archaeological systems. This intermediate process which should ensure the transition from tables and lists of archaeological discoveries to meaningful connections and interactions may be well undertaken with the help of Landscape Archaeology methods powered by statistical algorithms.

In our paper we will use such a regional archaeological database (Buzau County, Romania) as a statistical sample in an attempt to decipher human past habitation behavior. Certain aspects regarding archaeological data quality and confirmation of models in relation with statistical results will be taken into consideration.