

**ALBEANU, Grigore; BURTSCHY, Bernard; POPENȚIU-VLĂDICESCU, Florin,**  
*ON DESIGNING EXTENDABLE JAVA-BASED SOFTWARE FOR TIME SERIES  
ANALYSIS*

**Abstract:** This paper provides a methodology to investigate uncertainty evaluation by bootstrap and a procedure to obtain confidence bands for linear and nonlinear models used in data analysis and design measurements.

**Keywords:** Bootstrap method, Resampling methods, Data modelling, Sampling variance, Median, Z-scores, Confidence Intervals, Confidence bands.