

Generalized Fiducial Inference for Sparse High Dimensional Systems with Application to Wavelet Regression

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We study the problem of constructing confidence intervals for large dimensional sparse linear systems. In particular we focus our work on wavelet regression. Our method is based on a recent generalization of generalized fiducial inference studied by Hannig (2006). Simulation results suggest good frequentist properties of the proposed method. This is joint work with Jan Hannig.

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