

Kovanic, P.

Gnostical theory of small samples of real data. (English) Zbl 0583.94008
Probl. Control Inf. Theory 13, 303-319 (1984).

This paper is the continuation of a paper by the author [ibid. 13, 259- 274 (1984; Zbl 0575.94005)] and applies the corresponding results to the treatment of random data in order to diminish the uncertainty as much as possible. A second axiom is introduced, which is a composition rule via weighting coefficients for the uncertainty involved by each variable. Relation with statistics and information theory are exhibited and distribution and density functions of a data sample are defined.

Reviewer: [G.Jumarie](#)

MSC:

[94A15](#) Information theory (general)
[93E10](#) Estimation and detection in stochastic control theory

Cited in **4** Reviews
Cited in **5** Documents

Keywords:

[random data](#)