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Review of certain recent advances in randomized response techniques. (English)

[Zbl 1365.62046](#)

Chaudhuri, Arijit (ed.) et al., Data gathering, analysis and protection of privacy through randomized response techniques: qualitative and quantitative human traits. Amsterdam: Elsevier/North Holland (ISBN 978-0-444-63570-9/hbk; 978-0-444-63571-6/ebook). Handbook of Statistics 34, 1-11 (2016).

Summary: During the past five decades, a number of research papers appeared in the literature on randomized response technique (RRT) introduced by *S. L. Warner* [J. Am. Stat. Assoc. 60, No. 309, 63–69 (1965; [Zbl 1298.62024](#))] for eliciting information on questions of a sensitive nature. In this chapter, we shall briefly review some of the recent advances relating to RRT.

For the entire collection see [[Zbl 1349.62001](#)].

MSC:

[62D05](#) Sampling theory, sample surveys

[94A60](#) Cryptography

Keywords:

unrelated model; cryptographic RRT; stratified RRT; reverse RRT; Cramér-Rao lower bound; game theory; meta analysis; randomized response technique (RRT)

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