

The Efficiency Comparison on Warner's and Two Modified Models

Tung-Hai Lin
Hsing Wu College
R.O.C.

Abstract

Using jeopardy function [3], this paper explores the efficiency comparison on three well-known models presented by Warner [5], Mangat et al. [4], Bhargava and Singh [2] respectively, which all are to solve a sensitivity problem. Based on the concept of jeopardy function, we find under what conditions that Bhargava and Singh's model is the best among these three models.

Keywords: Sensitive Attribute, Randomized Response, Jeopardy Function, Privacy Restriction.