

Parameterized Complexity Of K Anonymity Hardness And

If you ally habit such a referred parameterized complexity of k anonymity hardness and book that will allow you worth, get the totally best seller from us currently from several preferred authors. If you desire to funny books, lots of novels, tale, jokes, and more fictions collections are as a consequence launched, from best seller to one of the most current released.

You may not be perplexed to enjoy all ebook collections parameterized complexity of k anonymity hardness and that we will very offer. It is not approximately the costs. It's just about what you need currently. This parameterized complexity of k anonymity hardness and, as one of the most enthusiastic sellers here will unquestionably be in the course of the best options to review.

Parameterized Complexity Of K Anonymity

A precise formalization that has been recently proposed is the k-anonymity, where the rows of a table are partitioned in clusters of size at least k and all rows in a cluster become the same tuple after the suppression of some entries. The natural optimization problem, where the goal is to minimize the number of suppressed entries, is hard even when the stored values are over a binary alphabet or the table consists of a bounded number of columns.

Parameterized Complexity of k-Anonymity: Hardness and ...

The problem of publishing personal data without giving up privacy is becoming increasingly important. A precise formalization that has been recently proposed is the k-anonymity, where the rows of a table are partitioned into clusters of sizes at least k and all rows in a cluster become the same tuple after the suppression of some entries. The natural optimization problem, where the goal is to minimize the number of suppressed entries, is hard even when the stored values are over a binary ...

Parameterized complexity of k -anonymity: hardness and ...

The problem of publishing personal data without giving up privacy is becoming increasingly important. An interesting formalization that has been recently proposed is ...

(PDF) Parameterized Complexity of the k-anonymity Problem ...

Table 1: Summary of the parameterized complexity status of the k-anonymity problem; $|V|$ represents the maximum number of different values in a column, m represents the number of

(PDF) Parameterized Complexity of the k-anonymity Problem

Request PDF | Parameterized Complexity of k-Anonymity: Hardness and Tractability | The problem of publishing personal data without giving up privacy is becoming increasingly important. A precise ...

Parameterized Complexity of k-Anonymity: Hardness and ...

Parameterized complexity of k-anonymity: hardness and tractability. Share on. Authors:

Parameterized complexity of k-anonymity | Proceedings of ...

Online Library Parameterized Complexity Of K Anonymity Hardness And \classical" problem instance (and an integer k being the parameter [13,21]. The Complexity of Degree Anonymization by Graph Contractions Based on this, we develop a polynomial-time data reduction yielding a polynomial-size problem

Parameterized Complexity Of K Anonymity Hardness And

Parameterized Complexity of the k-anonymity Problem - CORE We investigate the parameterized complexity of (k, c) - Attribute-Anonymity when parameterized by c and k. We prove the following result. Theorem 1 (k, c) -Attribute-Anonymity, parameterized by k and c, is not in FPT unless $W[2] = FPT$. k-Attribute-Anonymity is hard even for k=2 - ScienceDirect

Parameterized Complexity Of K Anonymity Hardness And

Access Free Parameterized Complexity Of K Anonymity Hardness Andthe k-anonymity Problem A precise formalization that has been recently proposed is the k-anonymity, where the rows of a table are partitioned into clusters of sizes at least k and all rows in a cluster become the same tuple

Parameterized Complexity Of K Anonymity Hardness And

Then we exhibit a fixed parameter algorithm, when the problem is parameterized by the size of the alphabet and the number of columns. Finally, we investigate the computational (and approximation) complexity of the k -anonymity problem, when restricting the instance to records having length bounded by 3 and $k=3$.

Parameterized Complexity of the k-anonymity Problem - NASA/ADS

Parameterized Complexity Of K Anonymity Hardness And complexity of the k-anonymity problem has been proposed in [7]. Here, we follow the same direction, showing that the problem is $W[1]$ -hard when parameterized by the (PDF) Parameterized Complexity of the k-anonymity Problem A precise formalization that has been recently proposed is the k ...

Parameterized Complexity Of K Anonymity Hardness And

Complexity of k-Anonymity of the parameterized complexity of the k-anonymity problem has been proposed in [7]. Here, we follow the same direction, showing that the problem is $W[1]$ -hard when parameterized by the (PDF) Parameterized Complexity of the k-anonymity Problem The parameterized complexity of k-anonymity has

Parameterized Complexity Of K Anonymity Hardness And

Then we exhibit a fixed parameter algorithm, when the problem is parameterized by the size of the alphabet and the number of columns. Finally, we investigate the computational (and approximation) complexity of the k -anonymity problem, when restricting the instance to records having length bounded by 3 and $k=3$.

Parameterized Complexity of the k-anonymity Problem - CORE

Based on this, we develop a polynomial-time data reduction yielding a polynomial-size problem kernel for Degree Anonymity parameterized by the maximum vertex degree. In terms of parameterized complexity analysis, this result is in a sense tight since we also show that the problem is already NP-hard for H-index three, implying NP-hardness for smaller parameters such as average degree and degeneracy.

A refined complexity analysis of degree anonymization in ...

k-Anonymity in $O(nm+2t \ln t \ln(\text{out}_m+2 \ln \log t \ln t))$ time, which compares favorably with Bonizzoni et al. 's [5] algorithm running in $O(2^{|j+1|} mkn^2)$ time. Since $\text{out}_t \ln t$, this shows that k-Anonymity is fixed-parameter tractable when parameterized by t . In particular, when t is a constant, our algorithm solves k-Anonymity in time linear in the size of the input. In contrast, when

Copyright code : a0e2a4f725133e19d35223e2bc2af6eb