Abstract

In this paper, we describe the formatting guidelines for IJCA Journal Submission Data obfuscation (or also known as masking of data) is the process of hiding real data with random characters or data i.e. the process of protecting sensitive data from thefts and hackers. Obfuscation is applied in order to secure data that is classified as personal identifiable data, personally or commercially sensitive data. Keeping the data valid for the use of test cycles. It must also appear consistent. The objective is to protect the privacy of individuals which is getting vital for operative functioning over the internet. Privacy enforcement is being handled primarily through governments for development or testing purposes and study of various data obfuscation techniques for different applications and their comparison study using statistical parameters. In this paper, we study the comparison of various data obfuscation techniques. The results strongly suggest that replacement methods can be used across the domains starting such as finance, banking, military, health care sector, and identity management domain. Different data obfuscation models such as encryption, shuffling, substitution, and masking out are compared.
References

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Index Terms

Computer Science

Information Sciences

Keywords

Data obfuscation, Multi Criteria Decision Making, Encryption, Substitution, Shuffling