Abstract

Development of online social networks and publication of social network data has led to the risk of leakage of confidential information of individuals. This requires the preservation of privacy before such network data is published by service providers. Privacy in online social networks data has been of utmost concern in recent years. Hence, the research in this field is still in its early years. Several published academic studies have proposed solutions for providing privacy of tabular micro-data. But those techniques cannot be straightforwardly applied to social network data as social network data is a complex graphical structure of vertices and edges. Techniques like k-anonymity, its variants, L-diversity have been applied to social network data. Integrated technique of K-anonymity & L-diversity has also been developed to secure privacy of social network data in a better way.

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Index Terms

Computer Science

Security

Keywords

Privacy models  K-anonymity  L-diversity  t-closeness.