

Local Differential Privacy Framework

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We propose Generic Local Differential Privacy Framework that allows a data analyst, curious and possibly untrusted, to collect and perform statistical analysis on the anonymised data. This comes with the assumption that the users trust the framework but don't trust the analyst who performs analyses. The framework promises that the data that is gathered as the result of analyses performed on sensitive data would not breach the personalised bounded differential privacy promise specified by the user, while at the same time gives meaningful accuracy and differential privacy guarantee when it is used in aggregation.