

## Metrics Framework :

A framework to evaluate the performance of synthetic data

Metrics			Method 1	Method 2	Method3
General Utility	A. Ratio of Counts (ROC) & Propensity Scores	Evaluate similarity between <b>univariate</b> distributions of original & synthetic datasets			
	B. Propensity Scores	Evaluate similarity between <b>bivariate &amp; multivariate</b> distributions			
Specific Utility	C. Average of Confidence Interval Overlap (CIO) for linear / logistic regression	Evaluate usefulness of statistical analysis on synthetic dataset using a linear / logistic regression			
Disclosure Risk	D. Correct Attributional Probability (CAP)	Probability that an intruder is able to gain some correct target information , given some key information that he already holds			

\*\*\* Specific information about each metric and its corresponding code will be updated at a later date.