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Computation time

Total	1.638522219657898min.

Experimental condition

Type of tomography	StandardQpt
Nrep	100
N	[100, 1000]
RNG seed	777

True object

Type	Gate
Dim	2
HS	[[1.0000000e+00 0.0000000e+00 0.0000000e+00 0.0000000e+00]

Tester objects

0	**Type**	State
	Dim	2
	Vec	[0.70710678 0.70710678 0. 0.]
1	**Type**	State
	Dim	2
	Vec	[0.70710678 0. 0.70710678 0.]
2	**Type**	State
	Dim	2
	Vec	[0.70710678 0. 0. 0.70710678]
3	**Type**	State
	Dim	2
	Vec	[0.70710678 0. 0. -0.70710678]
4	**Type**	Povm
	Dim	2
	Number of outcomes	2
	Vecs	[0.70710678 0.70710678 0. 0.] [0.70710678 -0.70710678 0. 0.]
5	**Type**	Povm
	Dim	2
	Number of outcomes	2
	Vecs	[0.70710678 0. 0.70710678 0.] [0.70710678 0. -0.70710678 0.]
6	**Type**	Povm
	Dim	2
	Number of outcomes	2
	Vecs	[0.70710678 0. 0. 0.70710678] [0.70710678 0. 0. -0.70710678]

Cases

	Name	Parameterization	Tomography	Estimator
0	LinearEstimator(True)	True	StandardQpt	LinearEstimator
1	LinearEstimator(False)	False	StandardQpt	LinearEstimator

2	ProjectedLinearEstimator(True)	True	StandardQpt	ProjectedLinearEstimator
3	ProjectedLinearEstimator(False)	False	StandardQpt	ProjectedLinearEstimator

MSE of empirical distributions

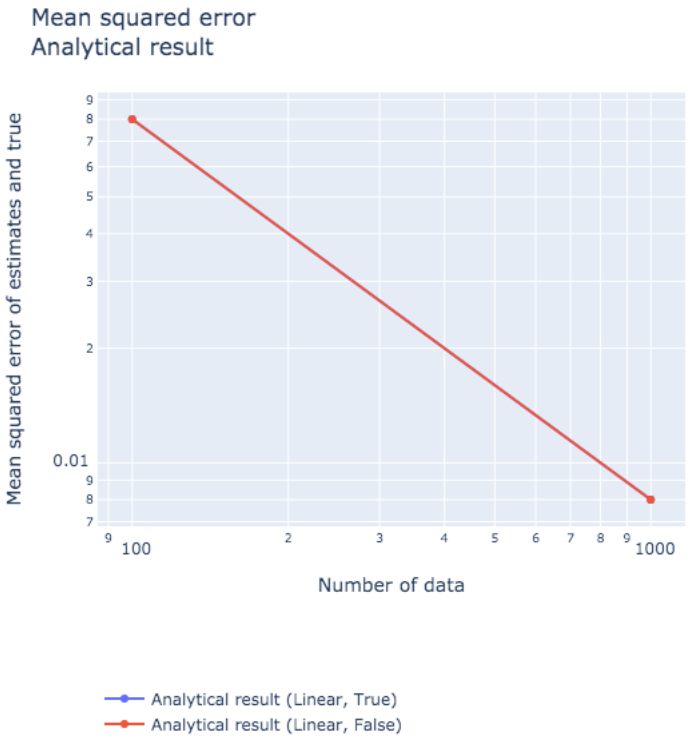
Consistency test

	Type of tomography	Parametorization	Estimator	Result
0	StandardQpt	True	LinearEstimator	8.654352e-32
1	StandardQpt	False	LinearEstimator	2.790508e-30
2	StandardQpt	True	ProjectedLinearEstimator	2.783589e-31

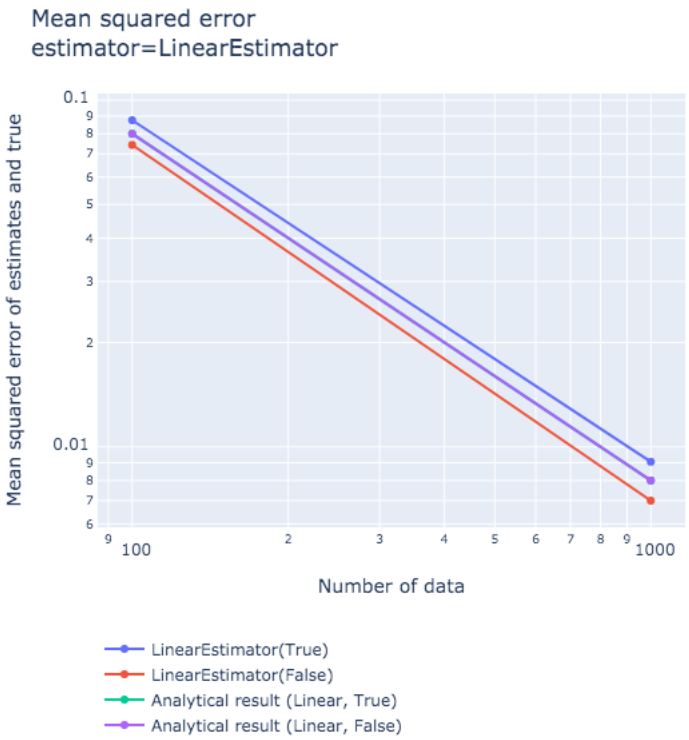
3	StandardQpt	False	ProjectedLinearEstimator	6.763653e-30

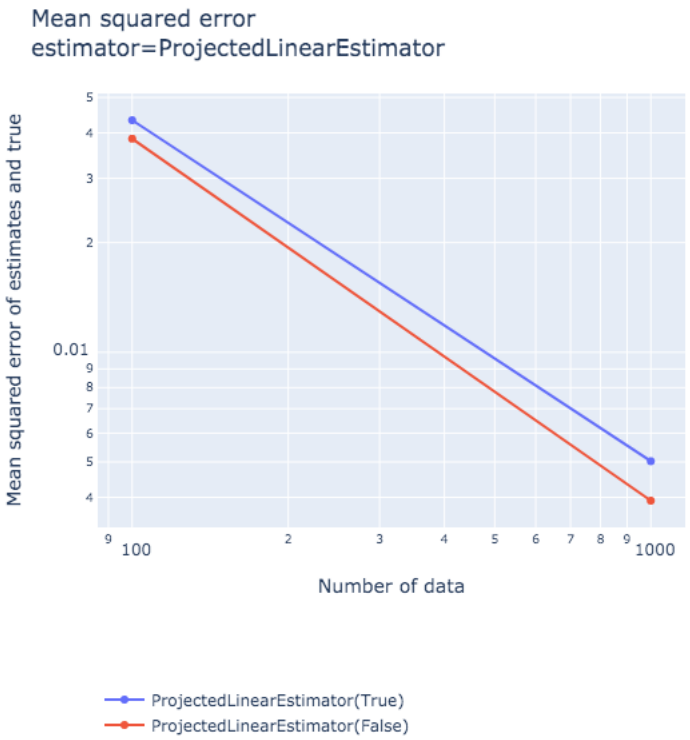
MSE of estimators

Comparison of analytical results



Comparison of parametrization





Comparison of estimators