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Computation time

Total	1.6441938002904257min.
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Experimental condition

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

True object

Type	Gate
Dim	2
HS	[[1. 0. 0. 0.]

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

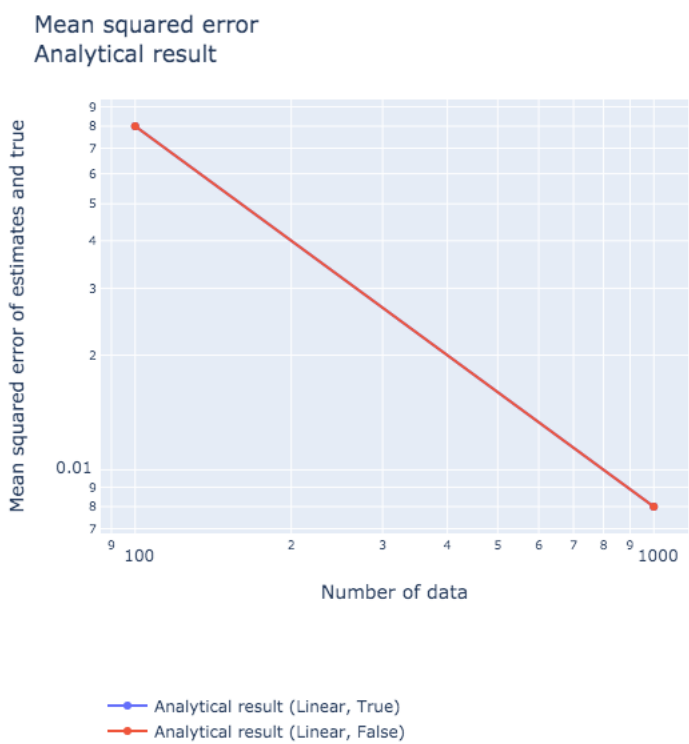


Consistency test

	Type of tomography	Parametorization	Estimator	Result
0	StandardQpt	True	LinearEstimator	8.628166e-32
1	StandardQpt	False	LinearEstimator	2.718643e-30
2	StandardQpt	True	ProjectedLinearEstimator	5.782767e-30
3	StandardQpt	False	ProjectedLinearEstimator	4.604574e-30

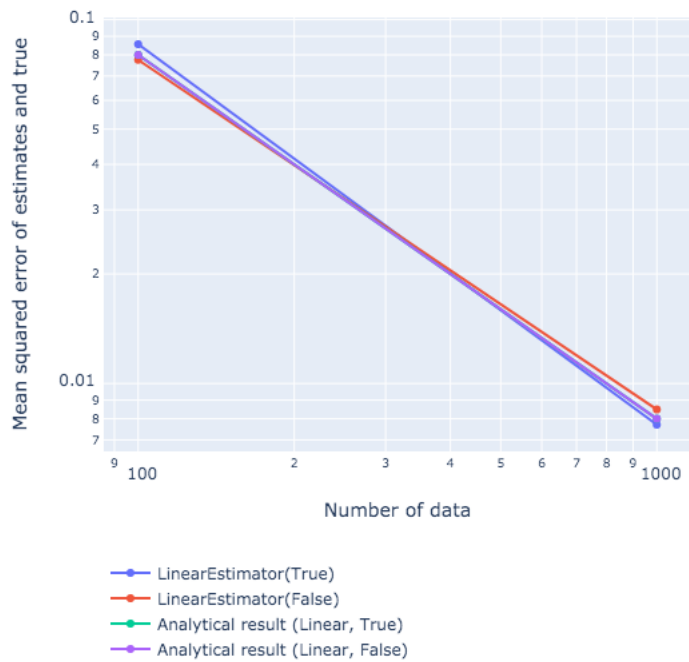
MSE of estimators

Comparison of analytical results

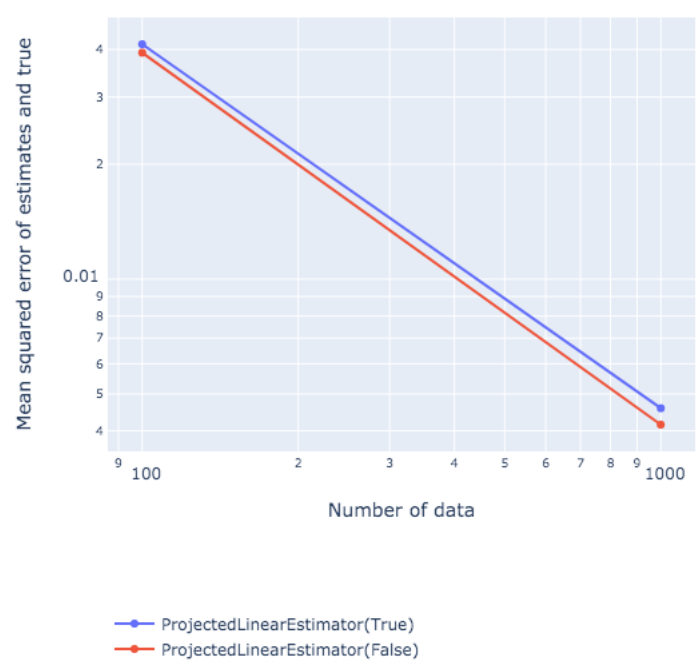


Comparison of parametrization

Mean squared error
estimator=LinearEstimator

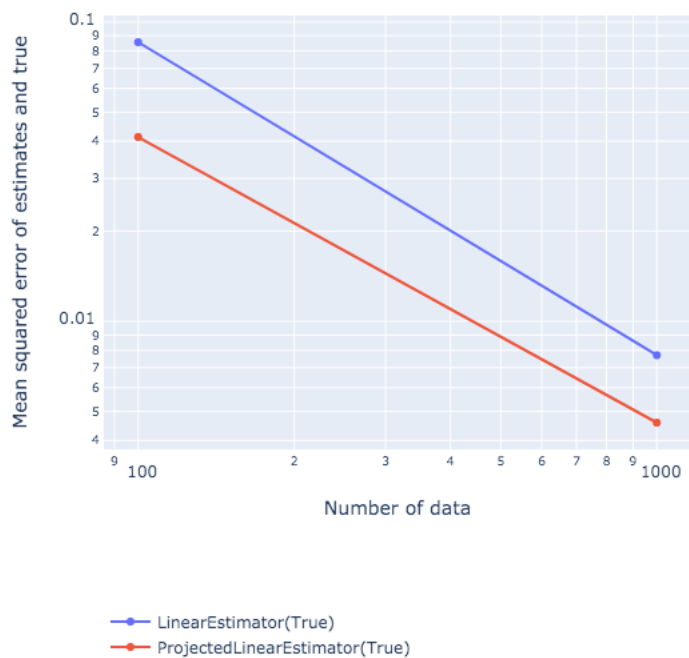


Mean squared error
estimator=ProjectedLinearEstimator



Comparison of estimators

Mean squared error
parametrization=True



Mean squared error
parametrization=False

