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Computation time

Total 1.4686129490534465min.

Experimental condition

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

True object

Туре	Gate
Dim	2
HS	[[1. 0. 0. 0.]

Tester objects

1

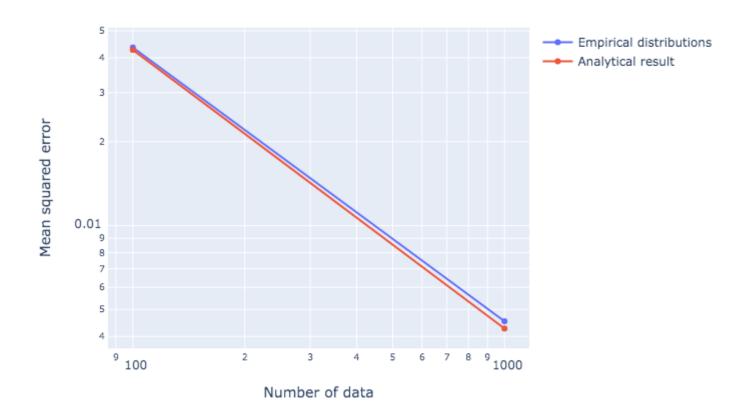
0	Туре	State
	Dim	2
	Vec	[0.70710678 0.70710678 0. 0.]
1	Туре	State
	Dim	2
	Vec	[0.70710678 0. 0.70710678 0.]
2	Туре	State
	Dim	2
	Vec	[0.70710678 0. 0. 0.70710678]
3	Туре	State
	Dim	2
	Vec	[0.70710678 0. 00.70710678]
4	Туре	Povm
	Dim	2
	Number of	2
	outcomes	_
	Vecs	[0.70710678 0.70710678 0. 0.]
		[0.70710678 -0.70710678 0. 0.]
5	Туре	Povm
	Dim	2
	Number of	2
	outcomes	
	Vecs	[0.70710678 0. 0.70710678 0.]
	_	[0.70710678 00.70710678 0.]
6	Туре	Povm
	Dim	2
	Number of	2
	outcomes	
	Vecs	[0.70710678 0. 0. 0.70710678]
		[0.70710678 0. 00.70710678]

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

Mean squared error

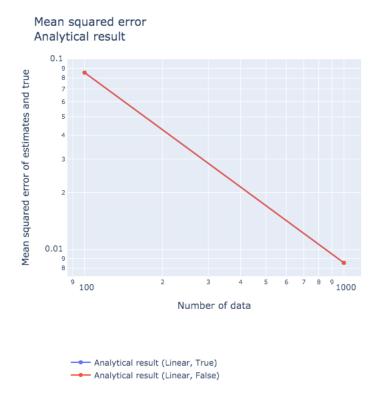


Consistency test

	Type of tomography	Parametorization	Estimator	Result
0	StandardQpt	True	LinearEstimator	1.924389e-31
1	StandardQpt	False	LinearEstimator	3.013551e-30
2	StandardQpt	True	ProjectedLinearEstimator	1.574758e-30
3	StandardQpt	False	ProjectedLinearEstimator	2.179923e-30

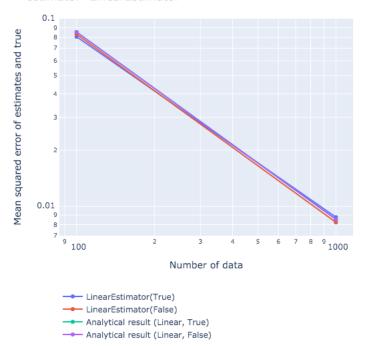
MSE of estimators

Comparison of analytical results

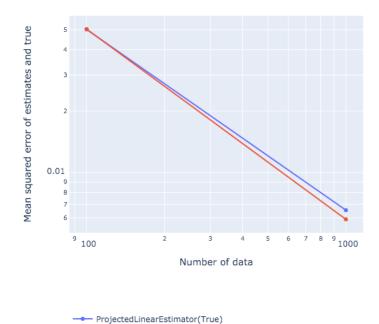


Comparison of parametrization

Mean squared error estimator=LinearEstimator



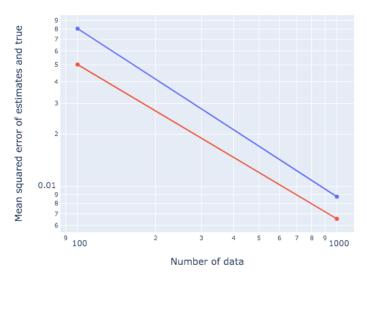
Mean squared error estimator=ProjectedLinearEstimator



ProjectedLinearEstimator(False)

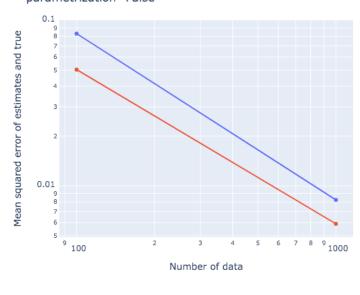
Comparison of estimators

Mean squared error parametrization=True



LinearEstimator(True)ProjectedLinearEstimator(True)

Mean squared error parametrization=False



LinearEstimator(False)ProjectedLinearEstimator(False)