Table of Contents

Table of Contents	1
Experimental Condition	1
True Object	1
Tester Objects	1
MSE	2
Physicality Violation Test	2
on_para_eq_constraint=True	2
case 0: LinearEstimator(True)	3
	3
on_para_eq_constraint=False	3
case 1: LinearEstimator(False)	3
Eigenvalue	3
Sum of unphysical eigenvalues	4

Experimental Condition

John		Doe			
Jane hoge			Doe		
		fea	tureA	featureB	featureC
dataA	2016-07-01 00:00:00	1.0		1.0	1.0
	2016-07-01 00:01:00	1.0		1.0	1.0
	2016-07-01 00:02:00	1.0		1.0	1.0
dataB	2016-07-01 00:00:00	2.0		2.0	2.0
	2016-07-01 00:01:00	2.0		2.0	2.0
	2016-07-01 00:02:00	2.0		2.0	2.0
dataC	2016-07-01 00:00:00	3.0		3.0	3.0
	2016-07-01 00:01:00	3.0		3.0	3.0
	2016-07-01 00:02:00	3.0		3.0	3.0
	•			L	0
0			type: Povm dim: 2 number of		
			measurements: 2 vec: [0.70710678 0.70710678 0. 0.		
			<pre> [0.70710678 -0.70710678 0. 0.] </pre>		
1			type: Povm dim: 2 number of		
			measurements: 2 vec: [0.70710678 0. 0.70710678 0.		
			<pre> > [0.70710678 00.70710678 0.] </pre>		
2			type: Povm dim: 2 number of		
			measurements: 2 vec: [0.70710678 0. 0.		
			0.70710678] [0.70710678 0. 00.70710678]		

True Object

type: State dim: 2

vec: [0.70710678 0. 0. 0.70710678]

Tester Objects

type: Povm dim: 2 number of measurements: 2 vec: [0.70710678 0.70710678 0. 0.] [0.70710678 -0.70710678 0. 0.] type: Povm

type: Povm dim: 2

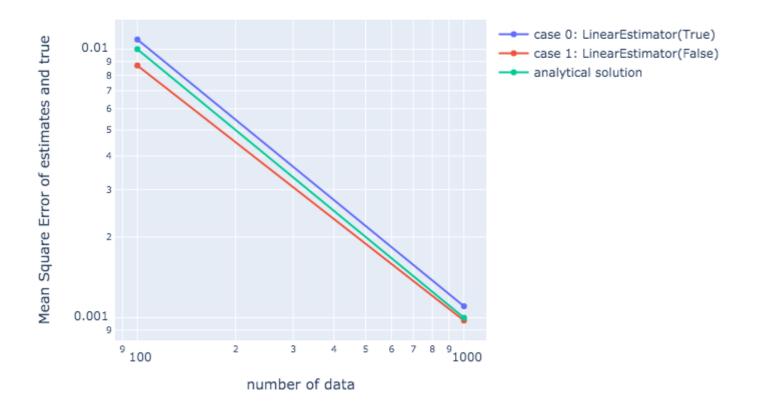
number of measurements: 2 vec: [0.70710678 0. 0.70710678 0.] [0.70710678 0. -0.70710678 0.]

type: Povm dim: 2

number of measurements: 2 vec: [0.70710678 0. 0. 0.70710678] [0.70710678 0. 0. -0.70710678]

MSE

Mean Square Value

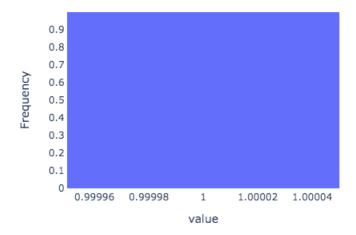


Physicality Violation Test

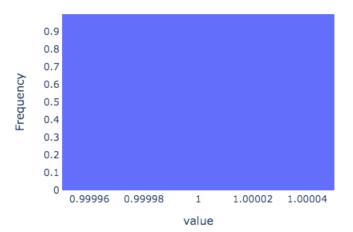
on_para_eq_constraint=True

case 0: LinearEstimator(True)





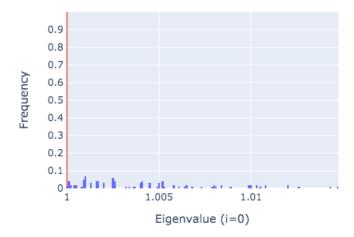
N=1000, Nrep=100



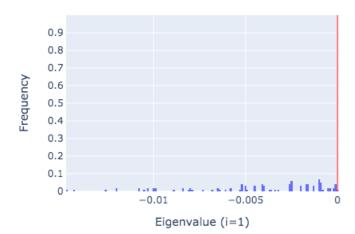
on_para_eq_constraint=False

case 1: LinearEstimator(False)

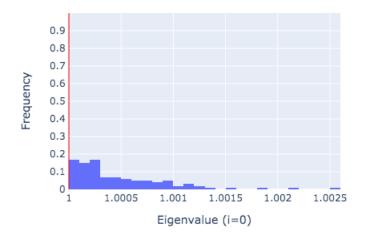
Eigenvalue



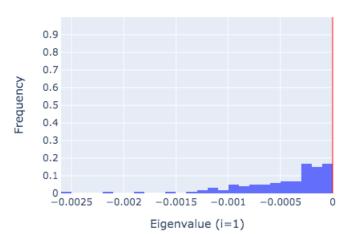
N=100, Nrep=100



N=1000, Nrep=100

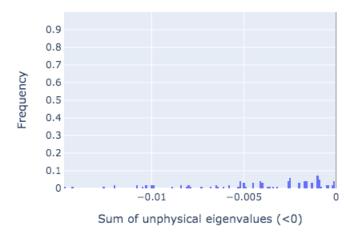


N=1000, Nrep=100

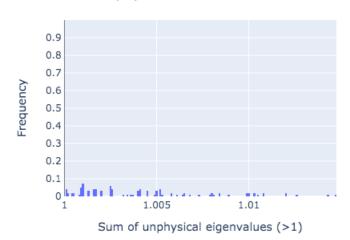


Sum of unphysical eigenvalues

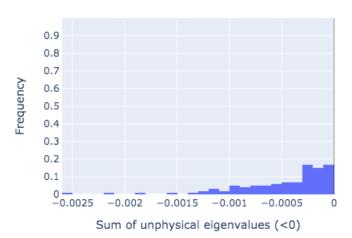
N=100, Nrep=100 Number of Unphysical estimates=99



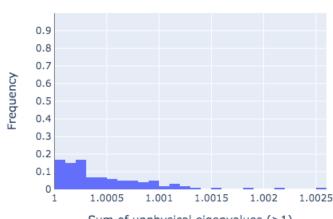
N=100, Nrep=100 Number of Unphysical estimates=99



N=1000, Nrep=100 Number of Unphysical estimates=100



N=1000, Nrep=100 Number of Unphysical estimates=100



Sum of unphysical eigenvalues (>1)