Table of Contents

Experimental Condition

type of tomography	StandardQst
n_rep	100
num_data	[100, 1000]

True Object

type	State
dim	2
vec	[0.70710678 0. 0. 0.70710678

Tester Objects

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

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

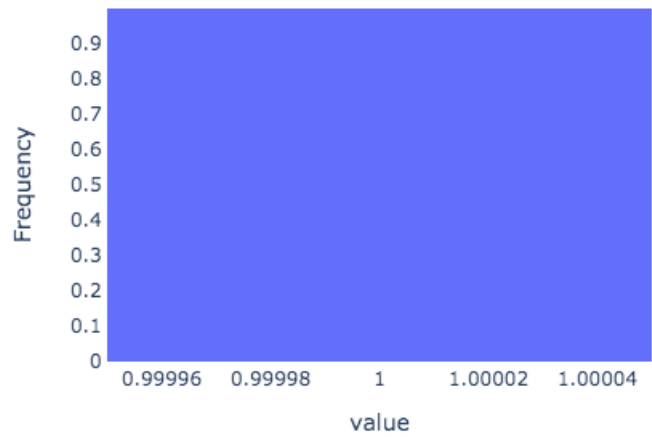# MSE

Mean Square Value
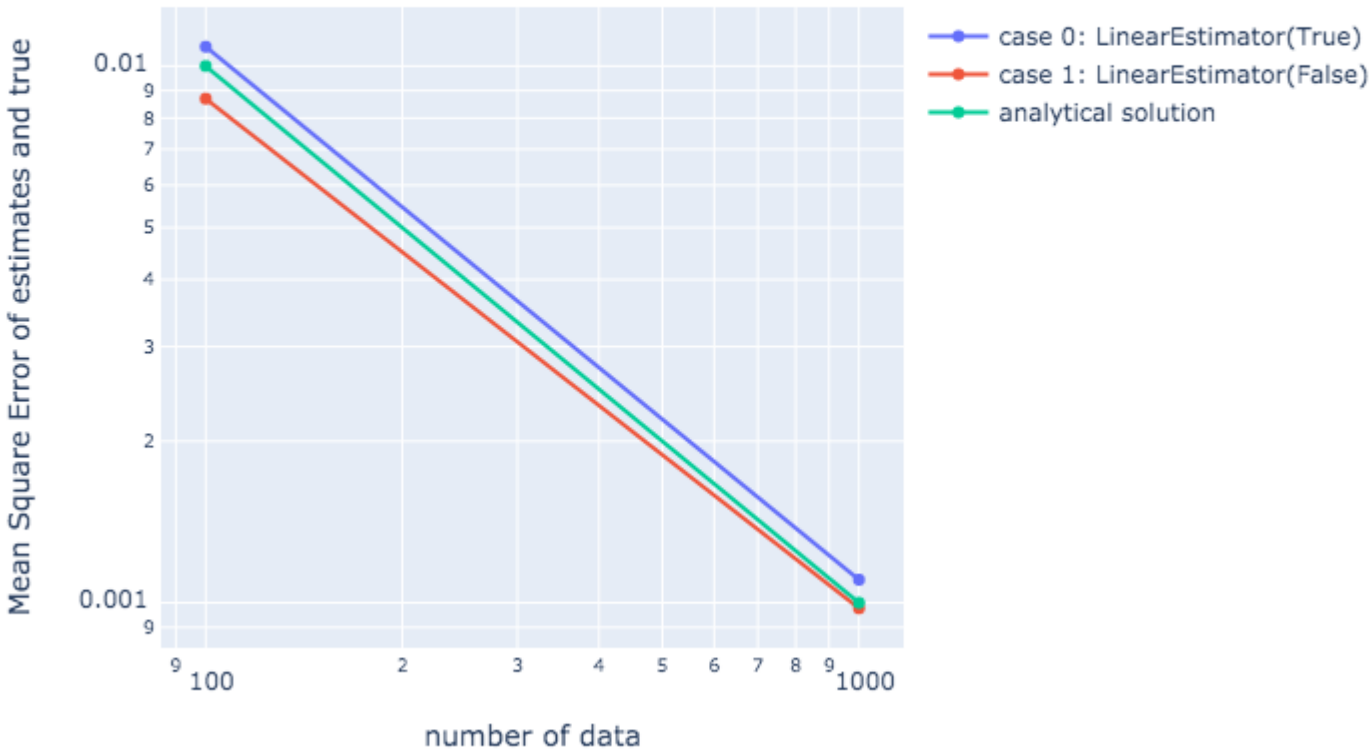
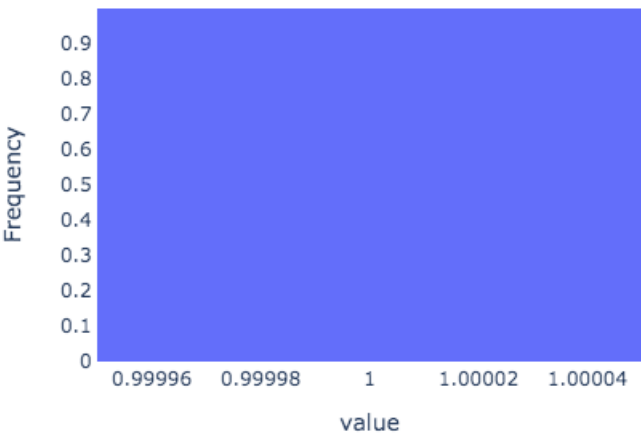# Physicality Violation Test

on_para_eq_constraint=True

case 0: LinearEstimator(True)

N=100, Nrep=100

N=1000, Nrep=100
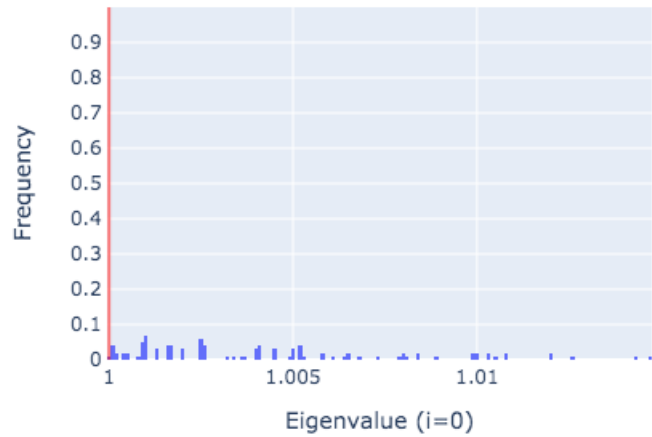
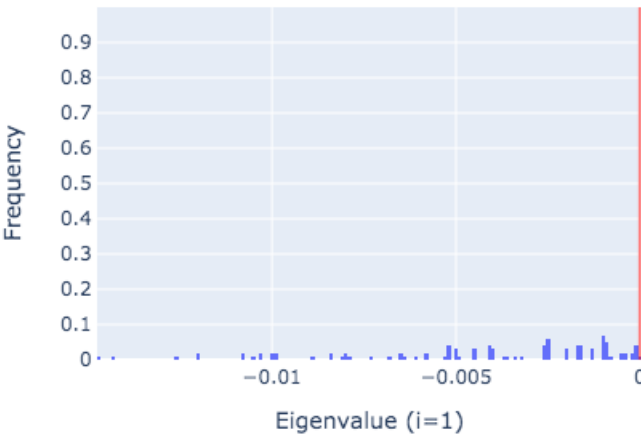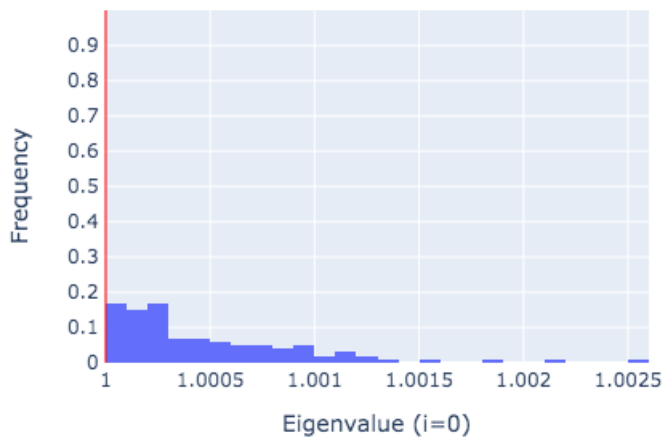## on_para_eq_constraint=False

case 1: LinearEstimator(False)
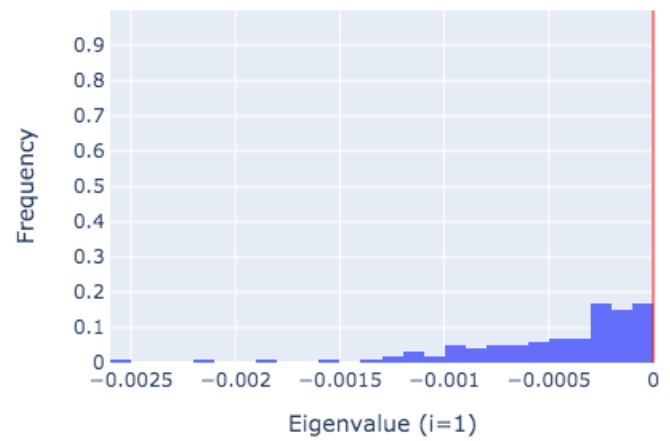
Eigenvalue

N=100, Nrep=100

N=100, Nrep=100

N=1000, Nrep=100

Frequency

Eigenvalue (i=0)

N=1000, Nrep=100

Frequency

Eigenvalue (i=1)

Sum of unphysical eigenvalues

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

Frequency

Sum of unphysical eigenvalues (<0)

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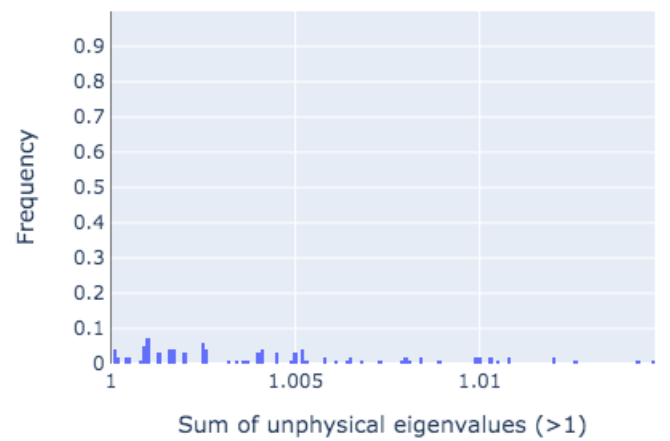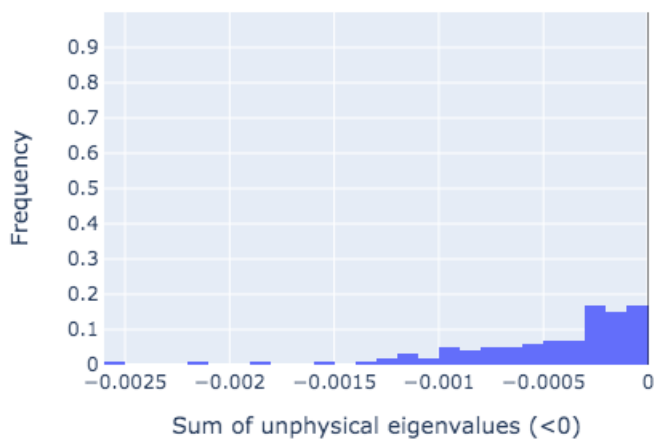
Frequency

Sum of unphysical eigenvalues (>1)

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

Frequency

Sum of unphysical eigenvalues (<0)

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

Frequency

Sum of unphysical eigenvalues (>1)

end