

Supplementary Material:

A nonlinear causality estimator based on Non-Parametric Multiplicative Regression

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1 SUPPLEMENTARY TABLES AND FIGURES

Supplementary Table 1. Mean causality for Dataset 3. Results are from pairwise/univariate and conditional/multivariate estimates from linear GC, Kernel-GC and C_{NPMR}

GC pairwise		x_1	To: x_2	x_3	GC conditional		x_1	To: x_2	x_3
From:	x_1	_	0	0	From:	x_1	_	0.004	0.003
	x_2	0	_	0.078		x_2	0.003	_	0.085
	x_3	0	0	_		x_3	0.003	0.003	_
K - GC univariate		x_1	To: x_2	x_3	K-GC multivariate		x_1	To: x_2	x_3
From:	x_1	_	0.192	0.152	From:	x_1	_	0.158	0.131
	x_2	0.001	_	0.097		x_2	0.001	_	0.110
	x_3	0.002	0.004	_		x_3	0.001	0.001	_
C_{NPMR} pairwise		x_1	To: x_2	x_3	C_{NPMR} conditional		x_1	To: x_2	x_3
From:	x_1	_	0.067	0.047	From:	x_1		0.063	0.049
	x_2	0.001		0.083		x_2	0		0.085
	x_3	0.002	0.001	_		x_3	0.002	0	