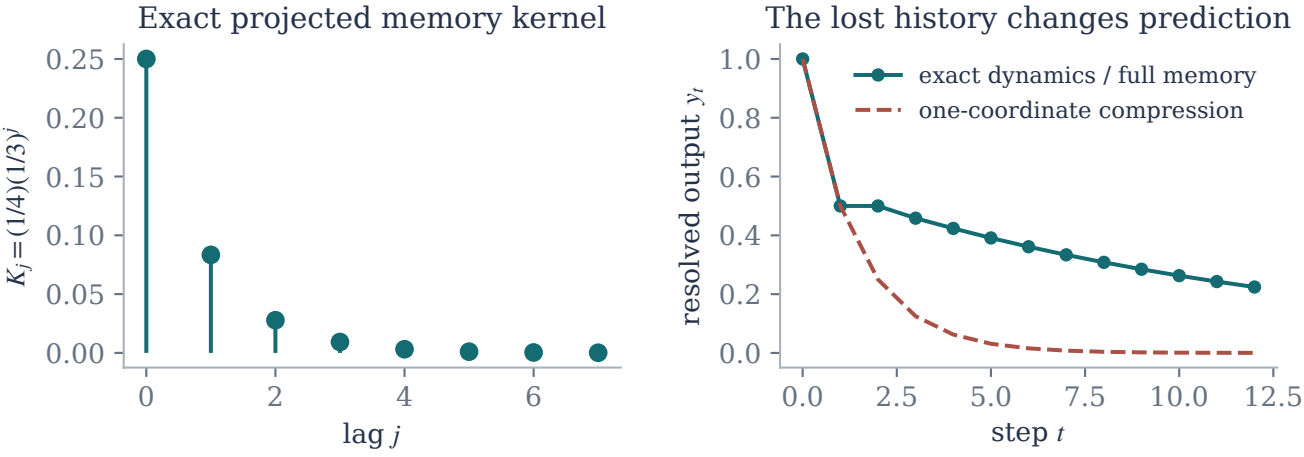

Exact projected memory kernel
$K_j = (1/4)(1/3)^j$
0.25
0.20
0.15
0.10
0.05
0.00
0
2
4
6
lag j
The lost history changes prediction
resolved output y_t
exact dynamics / full memory
one-coordinate compression
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
step t