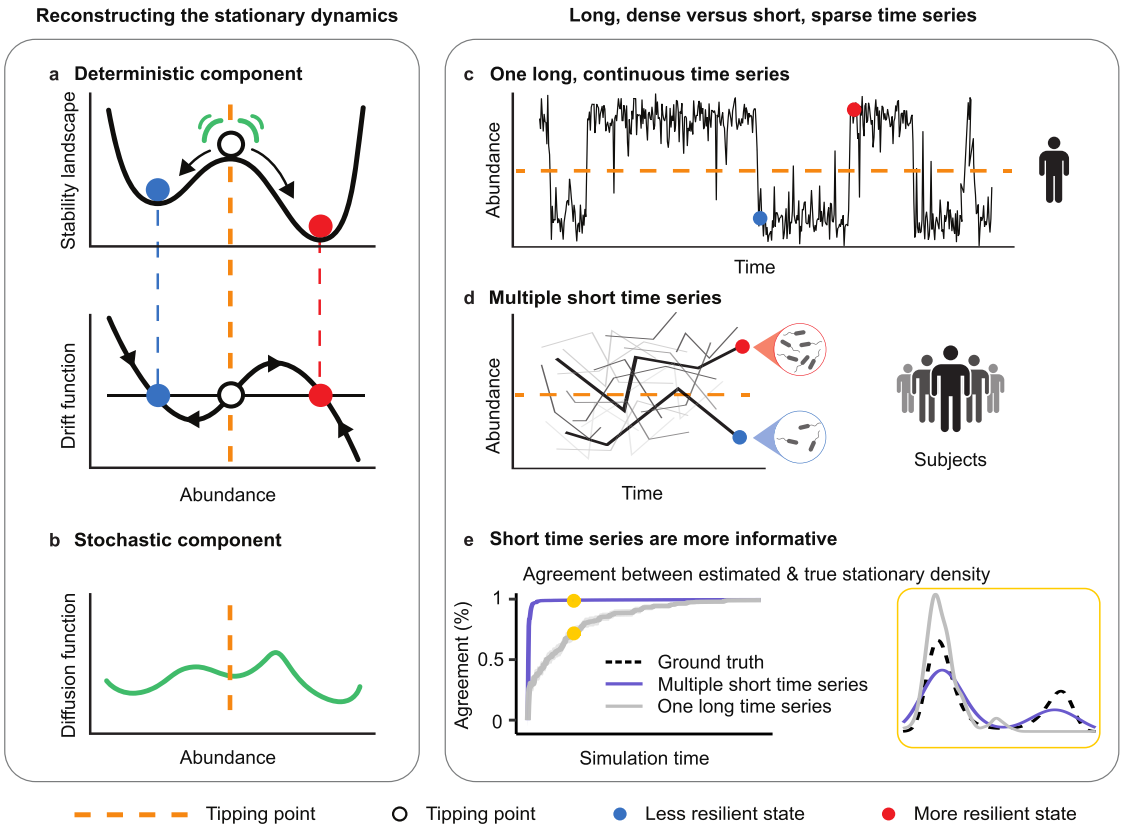
Reconstructing the stationary dynamics
Long, dense versus short, sparse time series
a Deterministic component
Stability landscape
Drift function
Abundance
b Stochastic component
Diffusion function
Abundance
c One long, continuous time series
Abundance
Time
d Multiple short time series
Abundance
Time
Subjects
e Short time series are more informative
Agreement between estimated & true stationary density
Agreement (%)
1
0.5
0
Ground truth
Multiple short time series
One long time series
Simulation time
Tipping point
Tipping point
Less resilient state
More resilient state