

Stochastic growth rate, λ_s

Deterministic growth rate, λ

Forecasting population dynamics

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Figure 2. (a, c) Deterministic and (b, d) stochastic population growth rates (\(\lambda\) and \(\lambda\)s, respectively) versus population growth rates during (a, b) data-collection and (c, d) forecast intervals (\(N_{\text{study}}\)) and \(N_{\text{forecast}}\), respectively). Ellipses indicate 90% confidence intervals of correlations, and lines are the 1:1 association that would be expected if forecasts were unbiased and precise.