A **Gaussian posterior conditioning**

training settings
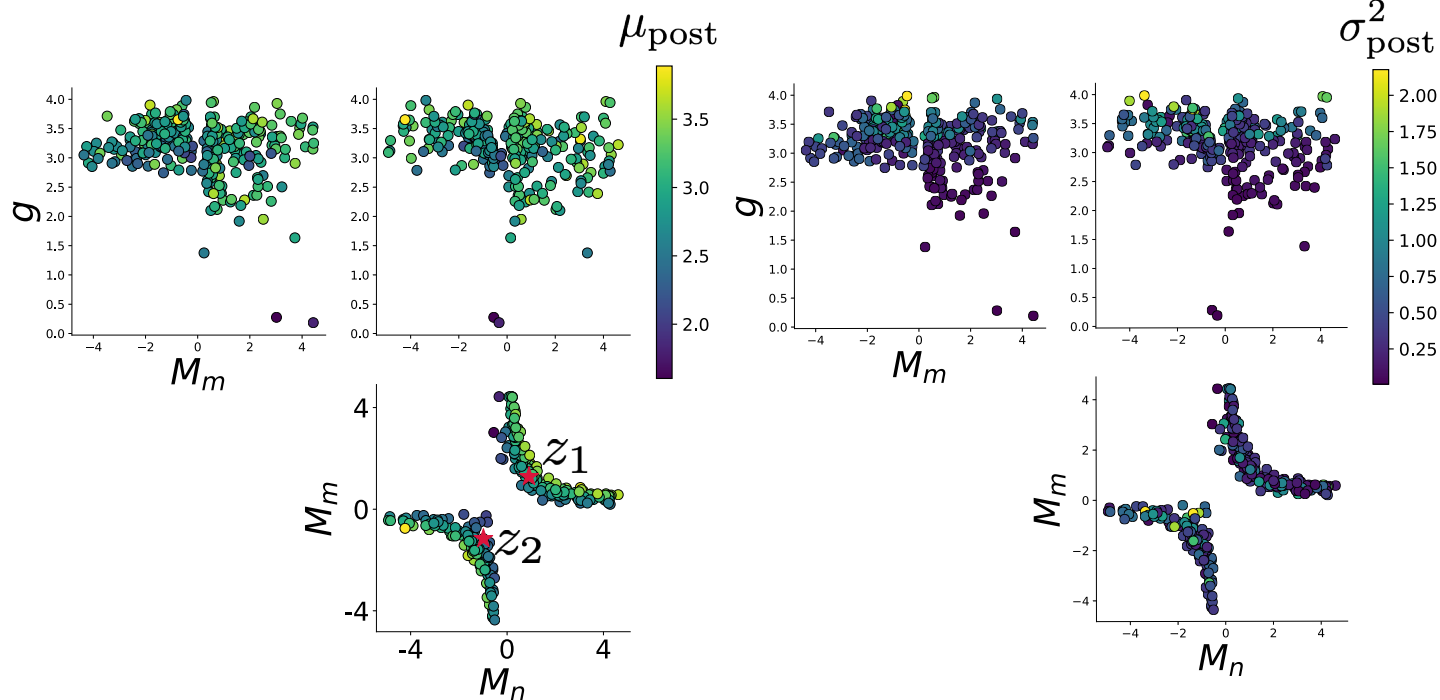
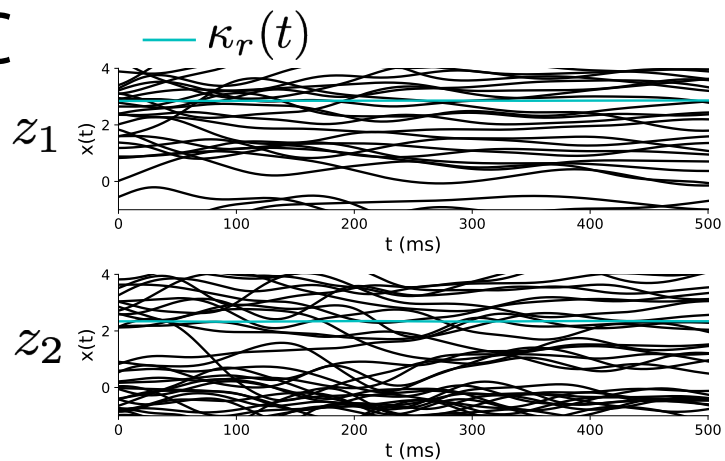| likelihood	prior
$y \sim \mathcal{N}(\mu_y, 1)$	$\mu_y \sim \mathcal{N}(4, 1)$
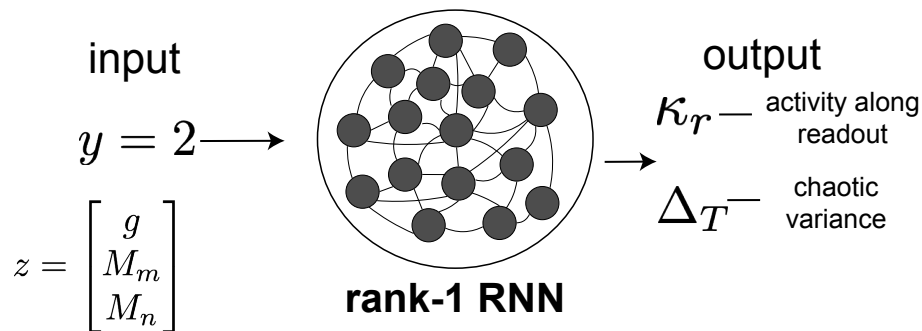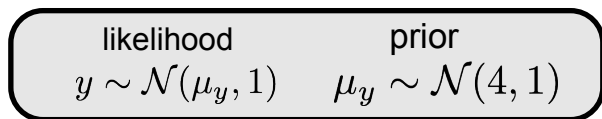
estimated posterior

$$p(\mu_y \mid y) = \mathcal{N}(\mu_{\text{post}} = \kappa_r, \sigma^2_{\text{post}} = \Delta_T)$$

input

$$y = 2 \rightarrow$$

$$z = \begin{bmatrix} g \\ M_m \\ M_n \end{bmatrix}$$

rank-1 RNN

output

κ_r — activity along readout

Δ_T — chaotic variance

exact

mean bias

variance bias

μ_y

B μ_{post} σ^2_{post}

C $\kappa_r(t)$

z_1

z_2

D

$$\mu_{post} = \kappa_r$$

z_1

z_2

$M_m M_n$