Models Data A: Binary SC latents: $s \sim Bern(s|\pi) = \prod_{h=1}^{H} \pi^{s_h} (1-\pi)^{1-s_h}$ observations: $\mathbf{y} \sim \mathcal{N}(\mathbf{y}; W\mathbf{s}, \sigma^2 I)$ B: Spike & Slab SC latents: $\mathbf{s} = \mathbf{b} \odot \mathbf{z} \sim Bern(\mathbf{b}|\pi) \odot \mathcal{N}(\mathbf{z}; \mu, \Sigma_h)$ observations: $\mathbf{y} \sim \mathcal{N}(\mathbf{y}; W\mathbf{s}, \sigma^2 I)$ C: Nonlinear Spike & Slab SC latents: $\mathbf{s} = \mathbf{b} \odot \mathbf{z} \sim Bern(\mathbf{b}|\pi) \odot \mathcal{N}(\mathbf{z}; \mu, \Sigma_h)$ observations: $\mathbf{y} \sim \mathcal{N}(\mathbf{y}; \max_{h} \{s_h \mathbf{W}_h\}, \sigma^2 I)$