$$\boldsymbol{z} = \boldsymbol{f_{y,\phi(\hat{x},\hat{y})}}(\boldsymbol{x}), \ \boldsymbol{x} \sim p_{\phi(\hat{x},\hat{y})}(\boldsymbol{x}|\boldsymbol{y})$$

Latent density for slope paremter a — Characteristics: $\mu = 0.04, \sigma = 1.0$
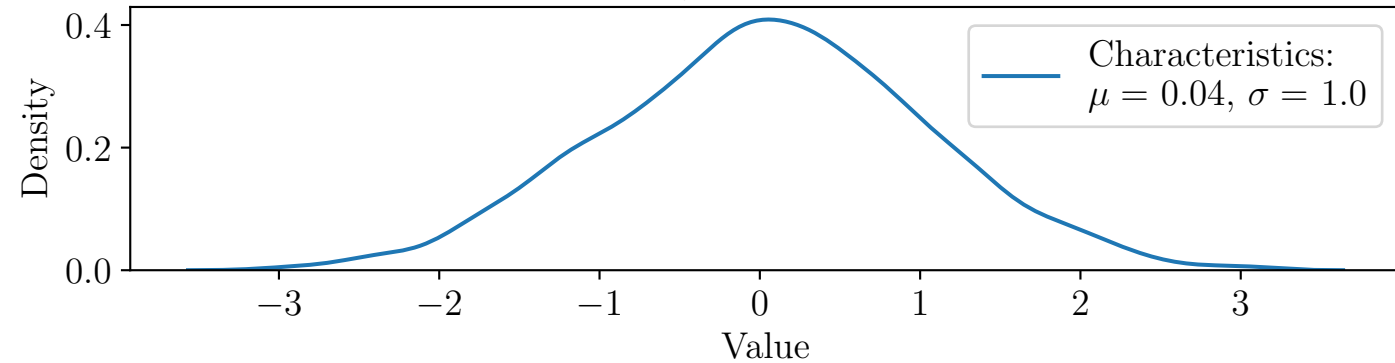
Latent density for intercept parameter b — Characteristics: $\mu = 0.04, \sigma = 0.99$