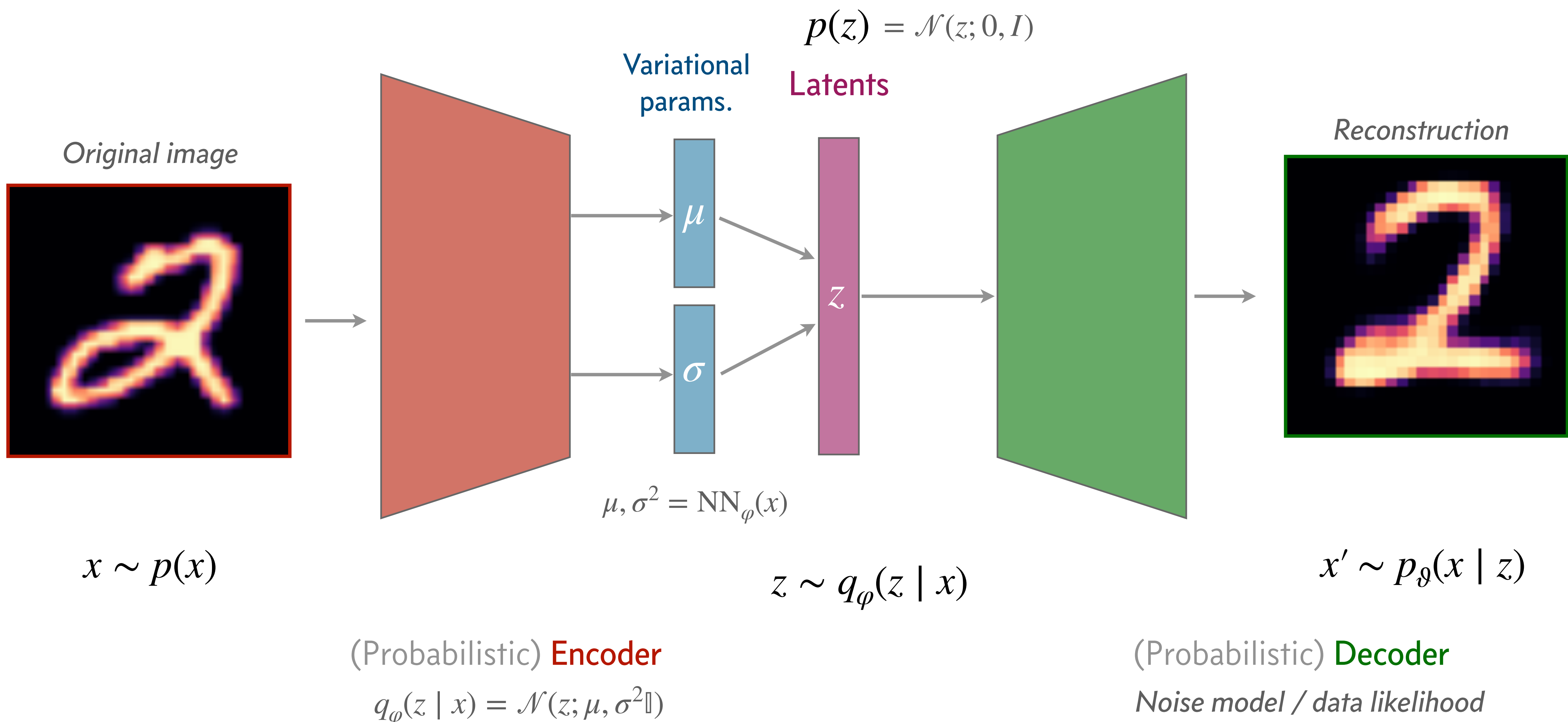


# VAEs in practice



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$$\text{ELBO} = \underbrace{\langle \log p_{\theta}(x \mid z) \rangle_{q_{\phi}}}_{\text{reconstruction loss}} - \underbrace{D_{\text{KL}} \left( q_{\phi}(z \mid x) \parallel p(z) \right)}_{\text{KL divergence}}$$

