$\mathcal{N}(0.I)$ 

D(W)

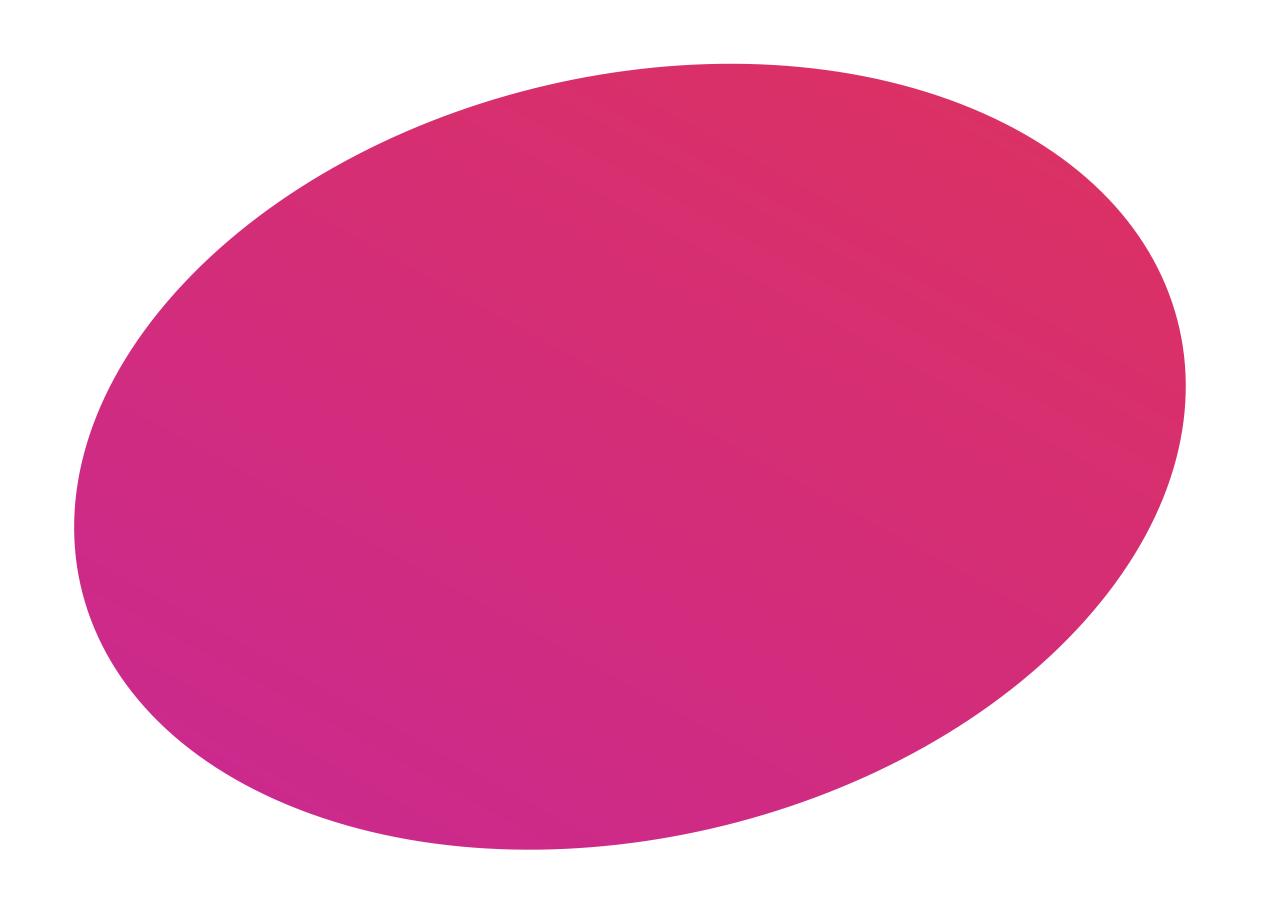
$$p(w | x, y) = \frac{p(y | x, w)p(w)}{p(y | x)}$$

$$p(y^* | x^*, x, y) = \int p(y^* | x^*, w) \ p(w | x, y) \ dw$$

## Posterior:

## Posterior predictive:







 $p(w \mid x, y)$ 



## VARIATIONAL INFERENCE



