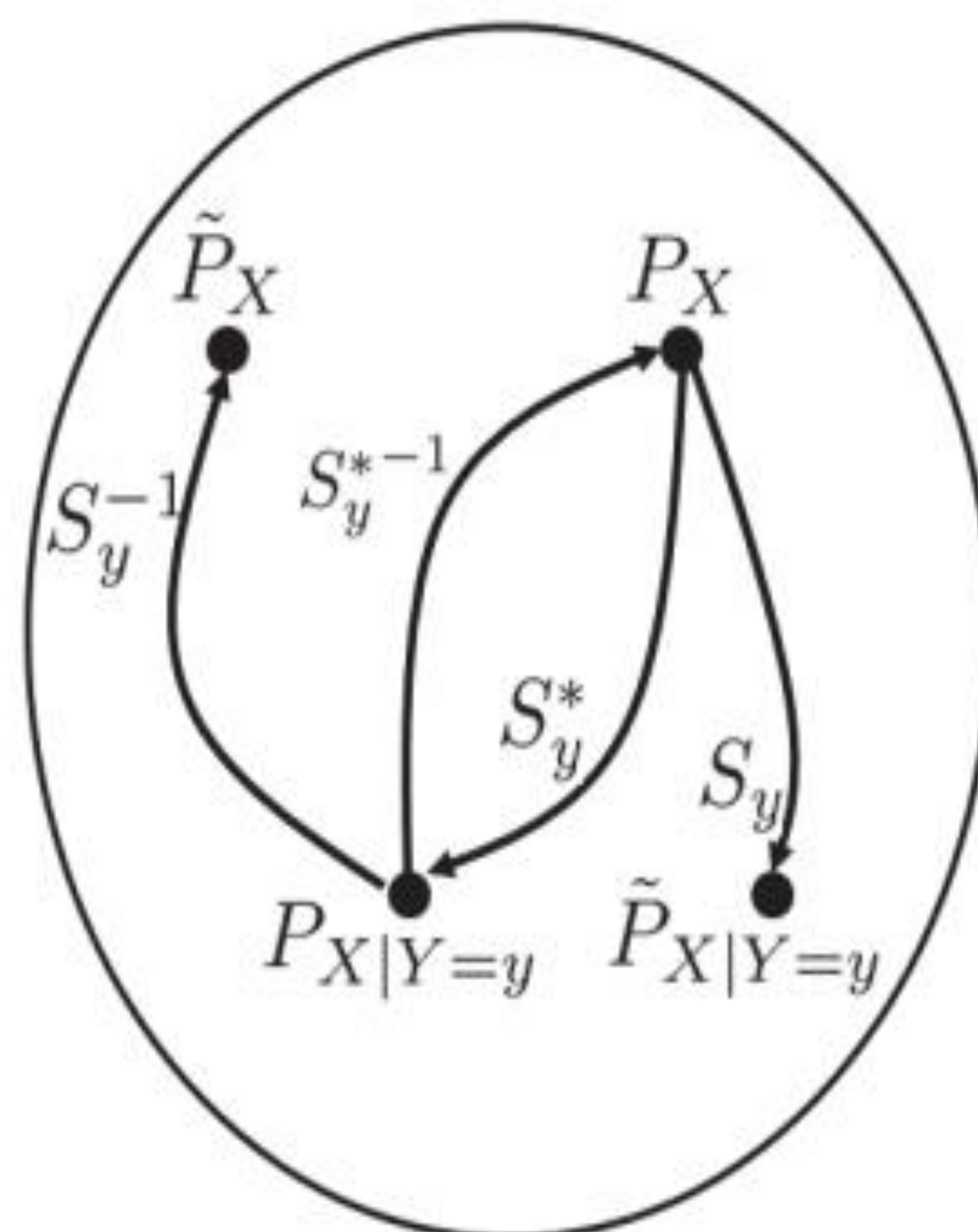


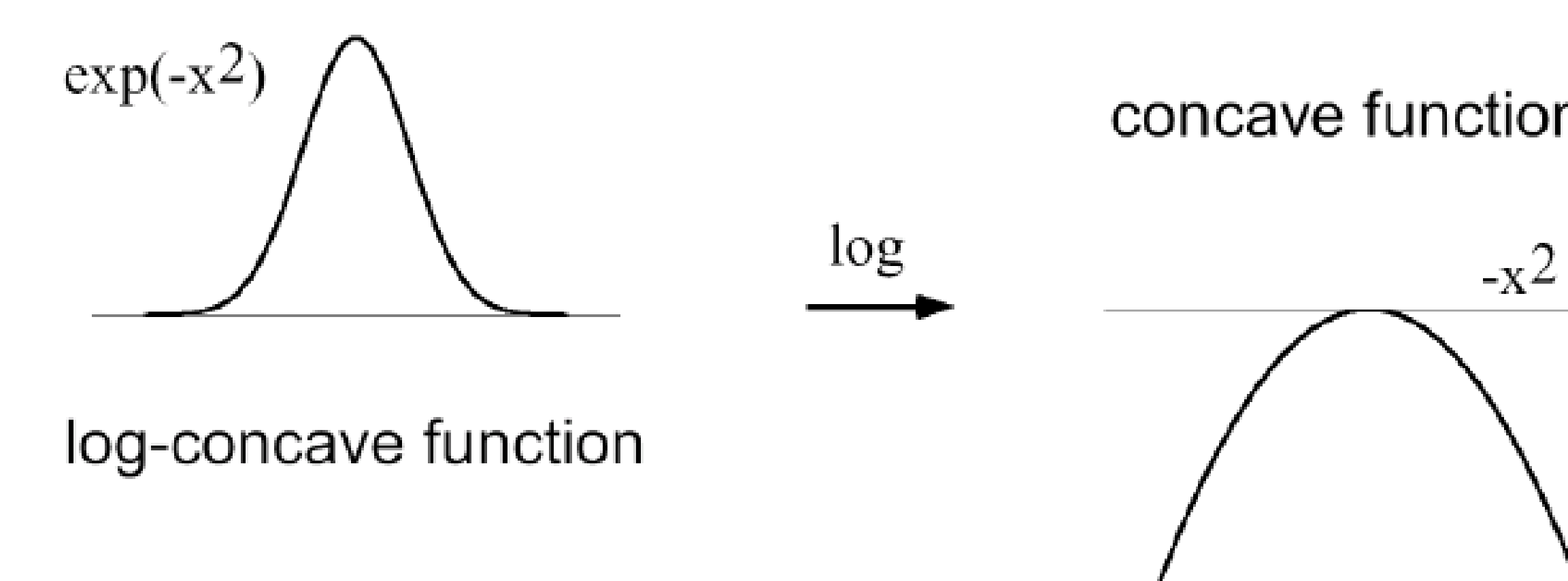
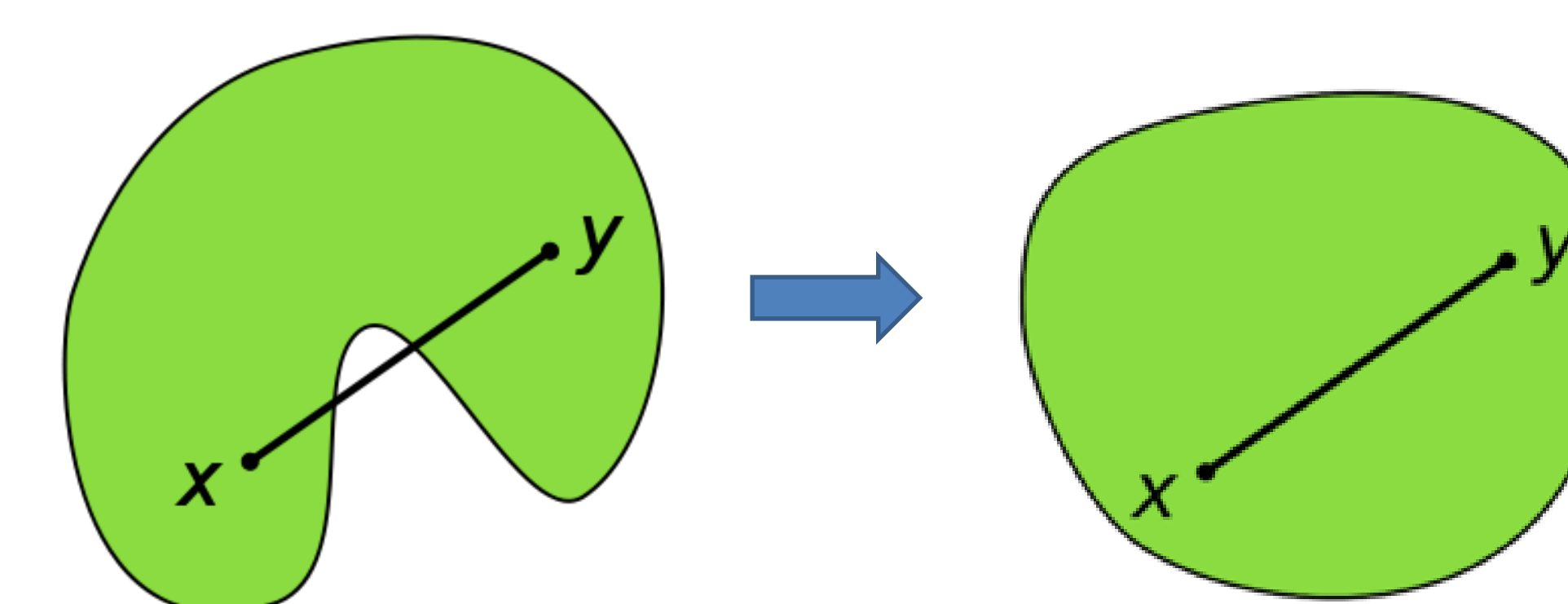
Bayesian Inference

$$f_{X|Y=y}(x) = \frac{f_{Y|X}(y|x)f_X(x)}{\beta_y}$$

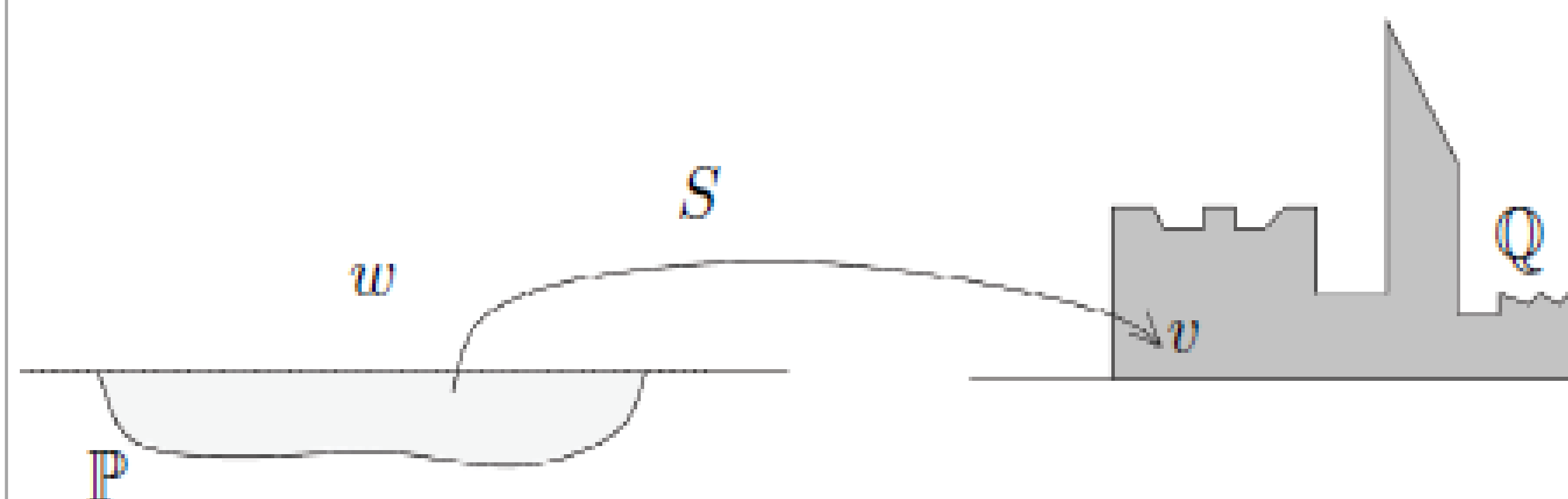
Search



Convexity



Earth Mover's Problem



Minimum Distance

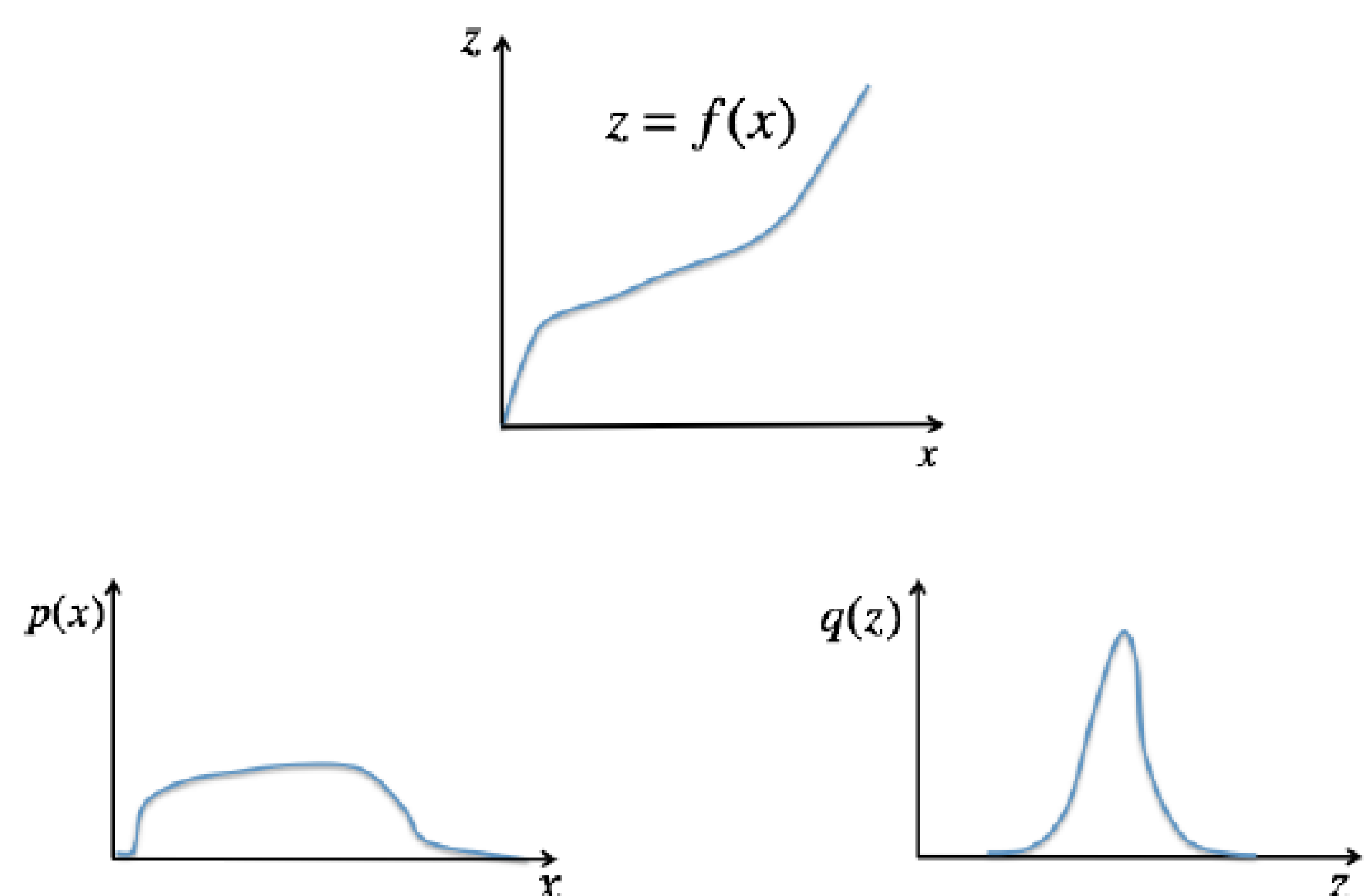
$$D(P_X || P_X^0) = \int_{x \in W} f_X(x) \log \frac{f_X(x)}{f_X^0(x)} dx$$

$$\log \beta_y = \int_{x \in W} f_X(x) T(S_y, x) dx$$

Optimization

$$\max_{S_y \in D(W)} \int_{x \in W} f_X(x) T(S_y, x) dx$$

Bayesian Maps



Applications

