

$$\mathcal{TC}(x_1, x_2, \dots, x_n) = \mathbb{E}_{p(x_1, x_2, \dots, x_n)} \left[\log \frac{p(x_1, x_2, \dots, x_n)}{p(x_1)p(x_2) \dots p(x_n)} \right].$$