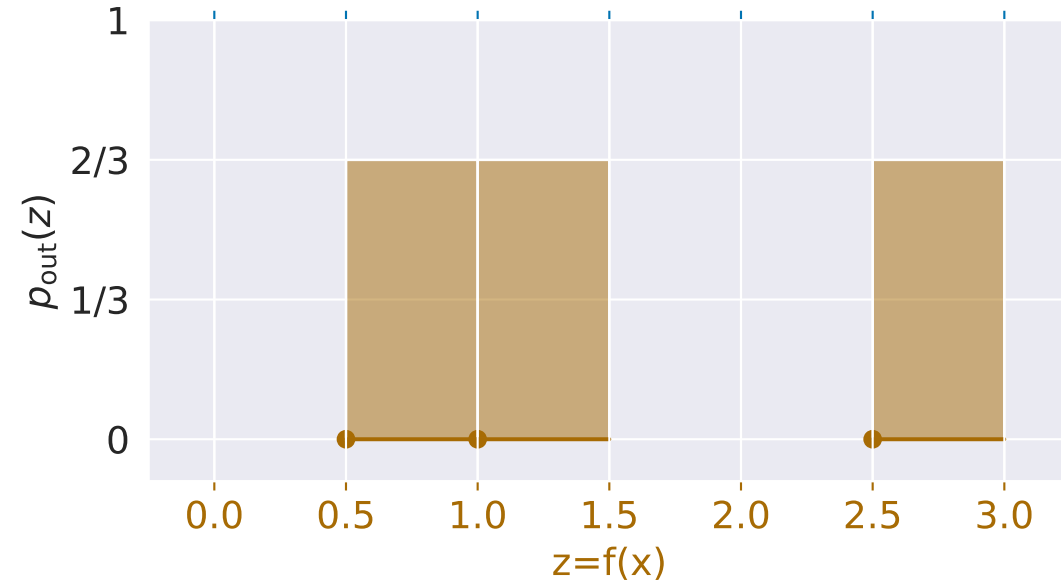


$$z = f(x) = 0.5x$$



$$\int_x p_{\text{out}}(f(x)) dx = 2 \nless \checkmark$$

$$\int_z p_{\text{out}}(z) dz =$$

$$\int_x p_{\text{out}}(f(x)) \cdot \frac{df}{dx} dx =$$

$$\int_x p_{\text{out}}(f(x)) \cdot 0.5 dx = 1 \checkmark$$