PMF

$$P(x) = \mu^{x}(1-\mu)^{-x} \quad \underline{x} \in (0,1)$$

$$E(x) = \frac{2}{x} \quad \underline{x} \cdot p(x) = \mu \cdot (1-\mu)^{-1} = \mu.$$

$$Var(x) = E(x^{2}) - (\underline{E(x)})^{2} \cdot \lambda^{2}$$

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$$= \frac{1}{x} \quad \underline{x} \cdot p(x)$$

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