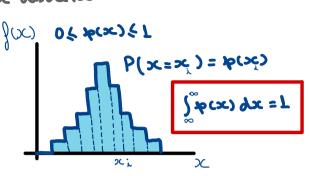
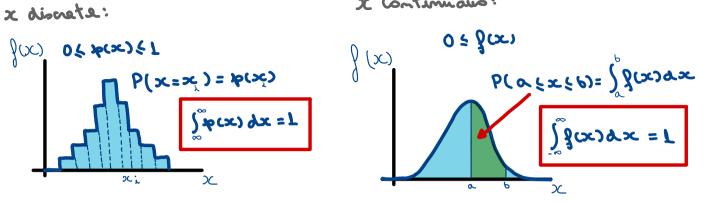
x discrete:





2 Continuous:

Expected

$$M = E[x] = \begin{cases} \int_{-\infty}^{\infty} x \, f(x) \, dx, & \text{continuous} \\ \sum_{\infty} x \, p(x), & \text{discrete} \end{cases}$$

Expected variance:

$$\frac{\partial^{2} = V[x] = \left[\left(x - \mu_{x}^{2} \right) \right] = \begin{cases}
\int_{-\infty}^{\infty} (x - \mu_{x}^{2}) p(x) dx, & x \text{ continuous} \\
\sum_{\infty} (x - \mu_{x}^{2}) p(x), & x \text{ discrete}
\end{cases}$$