$y = f_X(x)$ 

Muan. | pyrue

G-an 
$$P: F \rightarrow [0,L]$$
 $2^{\Omega}$ 
 $EP(A: = |P(UAi)|$ 

$$\begin{array}{cccc}
X: \Omega & \longrightarrow & K \\
& \omega & \longmapsto & X(\omega) \in \mathbb{R} \\
\begin{cases}
\{w: \Omega : X(\omega) & \leq t\} = x^{-1}((-\infty, t]) \in \mathcal{F}
\end{cases}
\end{cases}$$

$$\begin{aligned}
F_{X}(t) &= \mathbb{F}(X \leq t)
\end{aligned}$$

Ano Fx e adi. very, raybarrere X e adr. neup Poraba X una unonvoct

$$X \sim U([a_1b])$$
 a  $a < b$ 

$$\int_{X} (t) = \begin{cases} 0 & t \notin [a_1b] \end{cases}$$

$$= \begin{cases} b - a & \text{||} \{ t \in [a_1b] \}, \text{ usgens} & \text{||} A(t) = \begin{cases} 1 & t \in A \\ 0 & t \notin A \end{cases}$$