

$$CDF \begin{cases} O & f^{a_1} & x < a \\ \frac{x-a}{a-b} & f^{a_2} & x \in [t_0, b] \\ I & f^{a_1} & x > b \end{cases}$$

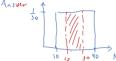
$$Mcan = \frac{1}{2} (a+b)$$

$$Mcdian = \frac{1}{2} (a+b)$$

Exemple

The number of cardier sold daily of a shop is uniformly distributed with a neximum of 40 cardior and a minimum of 10

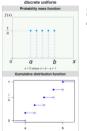
i) Probability of daily sale to pail between 15 and 30



 $b^{-1} (12 \le X \le 20) = (x^{5} - x^{1}) * \frac{1}{10^{-6}}$

= (30-15) * 1

$$Pr(x \ge 20) = (40 - 20) \times \frac{1}{30} = 0.66$$



Notation U(a, 6)