20 1 2 3 4 5 6 7 8 donnaity function

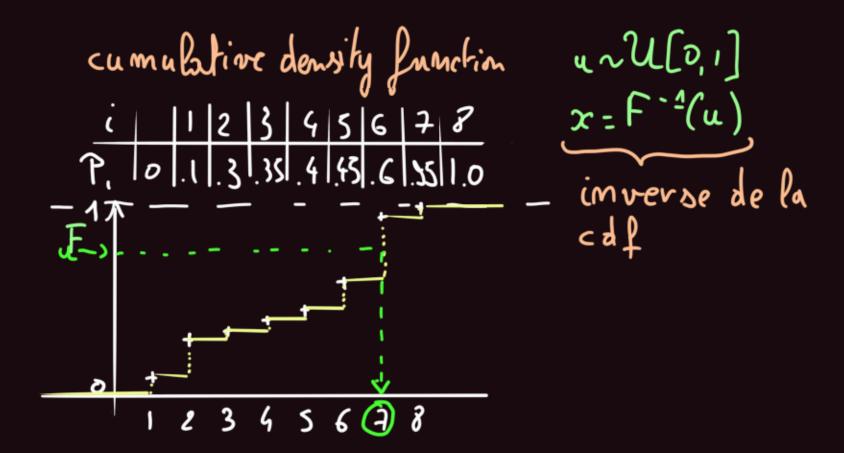
i | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

p; | 1 | 2 | 05 | 05 | 15 | 35 | 05 |

1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

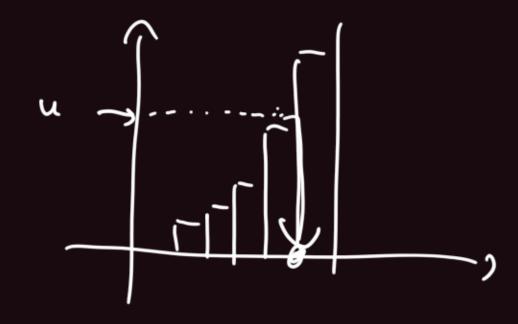
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |



$$P(x=i)=2i$$

$$P(x=$$



$$\begin{cases}
f(x) = 2x & \text{pour } x \in [0, 1] \\
f(x) = 2x & \text{pour } x \in [0, 1]
\end{cases}$$

$$\begin{cases}
f(x) = 2x & \text{pour } x \in [0, 1] \\
f(x) = 2x & \text{pour } x \in [0, 1]
\end{cases}$$

$$\begin{cases}
f(x) = 2x & \text{pour } x \in [0, 1] \\
f(x) = 2x & \text{pour } x \in [0, 1]
\end{cases}$$

$$F(x) = \int_{X}^{X} \int_{X}^{X} f(x) dx = \int_{X}^{X} f(x) dx = \int_{X}^{X} \int_{X}^{X} f(x) dx = \int_{X}^{X} f(x) dx$$

Loi exponentiale.

$$\lambda \sim \mathcal{E}(\lambda) \text{ si} \quad f(x) = \lambda e^{-\lambda x} \qquad \text{Minimize}$$

$$\begin{array}{l}
how x > 0 \\
F(x) = \int_{-\infty}^{x} f(t) dt = \int_{0}^{x} \lambda e^{-\lambda t} dt = \left[-e^{\lambda t}\right]_{0}^{x} = 1 - e^{-\lambda x}$$

$$F(x) = u = 1 - e^{-\lambda x} = u$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

$$\begin{array}{l}
(=) \quad e^{-\lambda x} = 1 - u
\end{array}$$

Loi numale: $x \sim \mathcal{N}(0,1)$ f(x)=1e $\sqrt{2\pi}$ $\sqrt{2\pi}$

M T Y

$$f(x) = \frac{\pi}{2} \sin(\pi x) \cdot f_{(0,1)}(x)$$

$$F(x) = \int_{0}^{\infty} \frac{\pi}{2} \sin(\pi t) dt = \frac{1}{2} \left(-\omega_{S}(\pi t)\right)^{x}$$

$$= \frac{1}{2} \left(1 - \omega_{S}(\pi x)\right)$$
while T

$$\begin{cases}
x = v \sin\left(1, \frac{\pi}{2}\right) \\
y = v \sin\left(1, \frac{\pi}{2}\right)
\end{cases}$$

$$(x) = u = \int_{0}^{\infty} \frac{1}{2} \left(1 - \cos(\pi x)\right) = u$$

$$\begin{cases}
x = v \sin\left(1, \frac{\pi}{2}\right) \\
y = v \sin\left(1, \frac{\pi}{2}\right)
\end{cases}$$

$$(x) = \int_{0}^{\infty} \frac{\pi}{2} \sin(\pi x) \cot(x)$$

$$(x) = \int_{0}^{\infty} \frac{1}{2} \left(1 - \cos(\pi x)\right) = u$$

$$\begin{cases}
x = \cos(\pi x) - 2u \\
0 + 2u
\end{cases}$$

$$\begin{cases}
x = \cos(\pi x) - 2u
\end{cases}$$