20 1 2 3 4 5 6 7 8 donnaity function

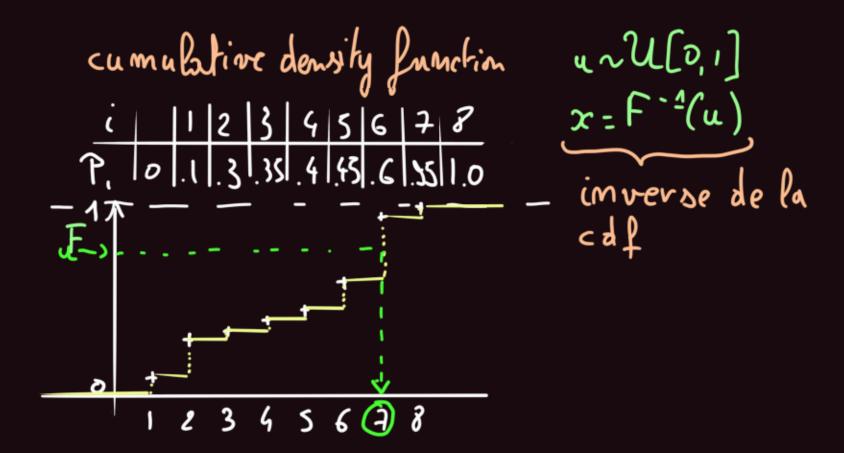
i | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

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 |



$$N$$

$$P[N=1] = \alpha.i \quad pair \quad i \in [1,m]$$

$$1 = \sum_{i=1}^{m} \alpha i = \alpha \sum_{i=1}^{m} \alpha \left(\frac{m(m+1)}{2}\right) - 1$$

$$F(k) = \sum_{i=1}^{k} \alpha i = \frac{k(k+1)}{m(m+1)}$$

F(k)=u

$$k(k+n) = u(m(m+n))$$

$$k^{2} + k - u(m(n+n)) = 0$$

$$\Delta \sim x_{1} \qquad L \qquad J$$

$$\lambda \sim x_{2}$$

Loi exponentiale.

$$\lambda \sim \mathcal{E}(\lambda) \text{ si} \quad f(x) = \lambda e^{-\lambda x} \qquad \text{Minimize} \\
\text{pow } x \geqslant 0$$

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

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

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

$$(=) \quad -\lambda x = \ln(1 - u) - \log(v \text{ unif}(N)) / lambda$$

$$(=) \quad x = \ln(1 - u) - \log(v \text{ unif}(N)) / lambda$$

$$F(z) = \int_{z}^{x} \int_{z}^{$$