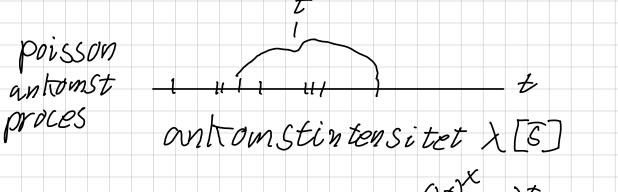
Ekspontential Sordeling ventetid til næst poisson hændelse i en poisson proces.



 $P(X \text{ antomSt } i [0,t] = \frac{Cxt}{x^{1}} e^{-xt}, x = 0,1,...$ exppdf, expcdf $f(x) = \frac{Cxt}{x^{1}} e^{-xt}, x = 0,1,...$ exppdf, expcdf $f(x) = \frac{Cxt}{x^{1}} e^{-xt}, x = 0,1,...$

$$P(T=t)=P(0 \text{ cantomst } i [0,t])=e^{-\lambda t}$$

$$F_{T}(t) = \rho(T \leq t) = 1 - \rho(T \geq t) = 1 - e^{-\lambda t} \leq c \lambda \sigma$$

$$F_{T}(t) = \frac{1}{2} - \frac{1}{2} + \frac{1$$

$$F(t) = P(1 = b) = 1 - P(1 = b)$$

$$F(t) = \frac{dF(t)}{dt} = x \cdot e^{-xt}, t \ge 0$$

$$f(t) = \frac{dF(t)}{dt} = x \cdot e^{-xt}$$

pdf

