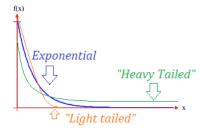
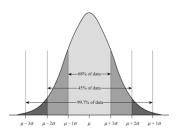
Heavy-tailed Distribution And Light-tailed Distribution

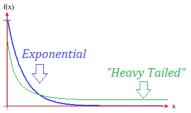
Pan Zhentao

April 18, 2018

$$F(x;\lambda) = \begin{cases} 1 - e^{-\lambda x}, & x \ge 0 \\ 0, & x < 0 \end{cases}$$







????: ???+?????????????? $t^{\gamma}, \gamma > \frac{1}{2}$.

$$\lim_{x\to\infty} e^{\lambda x} F(x) = \infty$$

 $distribution \ref{eq:subexponential} \ distribution \ref{eq:subexponential}$



????????

???? $\{X(t), t \geq 0\}$???????????????????????

- X0 ?????0;
- ?????;
- ?????;
- ???????.