

Table 1: A list of the adopted analytical distributions in this study with their associated pdf formulae and parameters.

Distribution	pdf	parameters
Gamma	$\frac{e^{-\frac{t^*}{\beta}} t^{*-1+\alpha} \beta^{-\alpha}}{\text{Gamma}[\alpha]} \quad t^* > 0$	α, β
Log-Normal	$\frac{e^{-\frac{(-\mu+\text{Log}[t^*])^2}{2\sigma^2}}}{\sqrt{2\pi} t^* \sigma} \quad t^* > 0$	μ, σ
Fréchet	$\frac{e^{-\frac{q}{t^*-m}} q}{(t^* - m)^2} \quad t^* > m$	$s = 1, q, m$
Exponential	$\rho e^{-t^* \rho} \quad t^* \geq 0$	ρ