

$$= \frac{-1}{S_{\tau}(t)} \lim_{\Delta t \to 0} \frac{S_{\tau}(t+\Delta t) - S_{\tau}(t)}{\Delta t}$$

$$= -\frac{d}{dt} \frac{S_{+}(t)}{S_{+}(t)} = -\frac{f_{+}(t)}{S_{+}(t)} = -\frac{g'(t)}{S_{+}(t)} = -\frac{$$

$$\frac{XLFF}{S_{\tau}(L)} = \frac{d}{dL} \times = \frac{d}{dL} \log (XL)$$

Resultado (1)
$$h(t) = -\frac{1}{dt} \ln(S(t))$$

Integramos ambos lados:

t

$$\int h(s)ds = -\int \frac{d}{ds} \ln(S(s))ds$$

$$\int h(s)ds = -\left[\ln(S_{T}(t)) - \ln(S_{T}(t))\right]$$

In
$$(S_{T}(t)) = -\int_{0}^{t} h(s) ds$$

$$\begin{array}{l}
L=S \\
S_{T}(t) = \exp\left(-\int_{0}^{t} h(s) ds\right)
\end{array}$$

Resultedo

Modelos pere metricios por la tiempo de

supervivancio:

- Die tribució exponencial: $T \sim \exp(\lambda)$

$$\begin{array}{l}
S_{T}(t) = \lambda & e^{\lambda t} \\
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\end{array}$$

Calculanos $h(t)$

$$\begin{array}{l}
L(t) = \sum_{i=1}^{N} L(t) - \frac{\lambda^{2}}{2} \cdot (\lambda^{2}) \\
S_{T}(t) = \sum_{i=1}^{N} L(t) - \frac{\lambda^{2}}{2} \cdot (\lambda^{2}) \\
\end{array}$$

Propiedal de pérdode de le remonia

 $\begin{array}{l}
L(t) = \sum_{i=1}^{N} L(t) - \frac{\lambda^{2}}{2} \cdot (\lambda^{2}) \\
\end{array}$

P($\begin{array}{l}
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\end{array}$

P($\begin{array}{l}
L(t) = L(t) - L(t) \\
\end{array}$

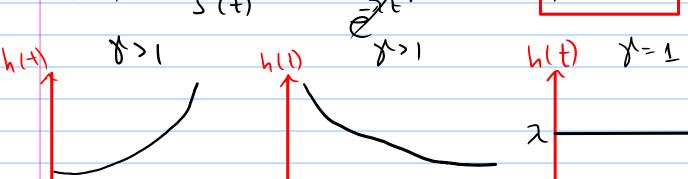
$$\begin{array}{l}
L(t) = L(t) - L(t) \\
\end{array}$$

$$= 1 - e^{-\lambda h} \rightarrow 1 - S_{\tau}(h) = F_{\tau}(h)$$

$$\mathbb{P}\left[T \leq h\right] = \mathbb{I}\left[T \leq t_2 - t_1\right]$$

$$S_{-}(t) = \int_{t}^{\infty} \lambda u^{x_{-}} e^{-\lambda u^{x_{-}}} du = \int_{t}^{\infty} \lambda e^{-\lambda u}$$

$$h(t) = \frac{S'(t)}{S(t)} = \frac{1}{2} \frac{2}{2} \frac{1}{2} \frac{1}$$



Fr(t)=
$$\frac{1}{\Gamma(t)}$$
 $\frac{1}{\Gamma(t)}$ $\frac{1}{\Gamma(t)$

() L'hopital

-> Grompertz
$$T>0$$
 $T\sim G(\lambda, \gamma)$

$$\frac{\int_{\tau}(t)=\lambda}{\int_{\tau}(t)}=\frac{1}{\lambda} \frac{\int_{\log(\gamma)}(\gamma)(\gamma^{t}-1)}{\int_{\tau}(\gamma)}$$

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$$\frac{\int_{\tau}(t)=\lambda}{\int_{\tau}(\gamma)(\gamma)} \frac{\int_{\tau}(\gamma)(\gamma)(\gamma)(\gamma)}{\int_{\tau}(\gamma)(\gamma)(\gamma)}$$