

$y = \ln(x)$
 $Z = (z_1, z_2, \dots, z_p)$ () $x > 0$
 $y = \mu + \gamma^t Z + \sigma w$ “ y
 $\gamma^t = (\gamma_1, \gamma_2, \dots, \gamma_p)$ “ w

z
 $C(.)$ $h_0(x)$
 $h(x|z) = h_0(x)C(\beta^t z)$ $h_0(x)$
“
 $C(.)$ (Cox, 1972)

$C(\beta^t z) = \exp(\beta^t z)$

z

$$\frac{h(x|z_1)}{h(x|z_2)} = \frac{h_0(x)C(\beta^t z_1)}{h_0(x)C(\beta^t z_2)} = \frac{C(\beta^t z_1)}{C(\beta^t z_2)}$$

$S(x|z) = [S_0(x)]^{C(b^t z)}$

¹ Exteremum
² Accelerated Failure Time Model
³ Link Function

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$$h(x|z) = h_0(x) + \sum_{j=1}^p z_j(x) \beta_j(x)$$

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