Model 1 8 unknown parameters

Peak and wane drawn from multivariate normal

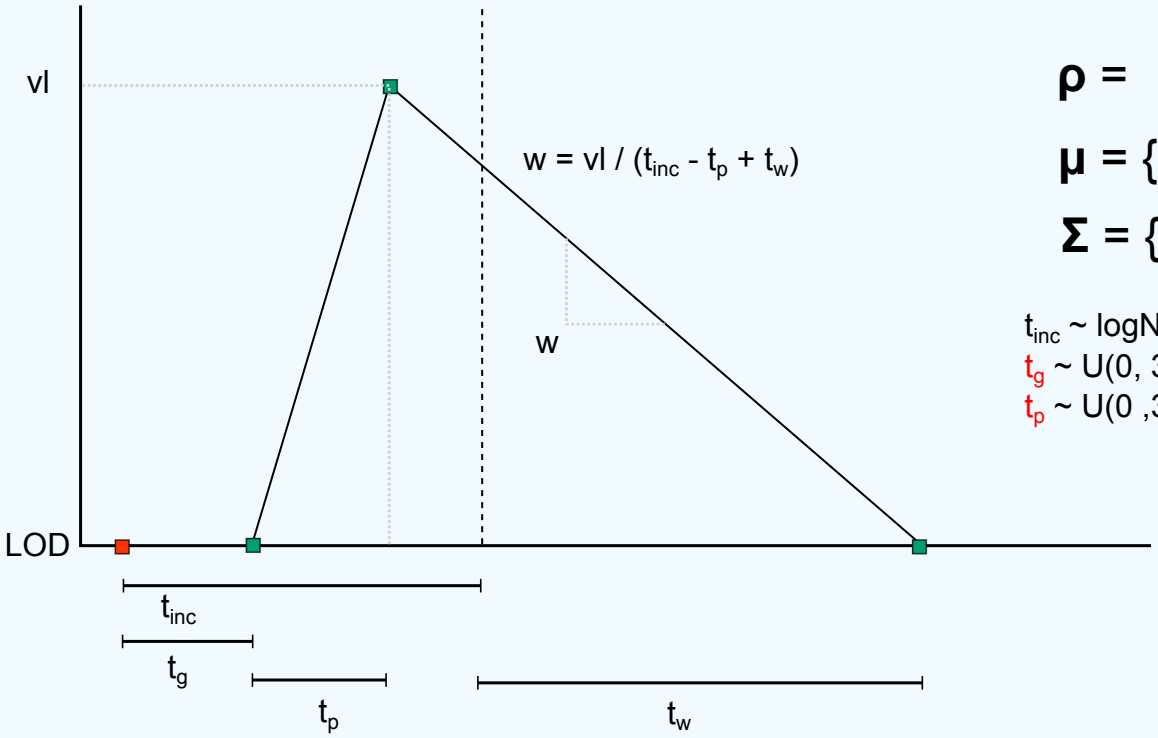
$\{vl, t_w\} \sim N(\boldsymbol{\mu}, \boldsymbol{\Sigma}, \boldsymbol{\rho})$

$$\boldsymbol{\rho} = \begin{array}{c|cc} & vl & t_w \\ vl & 1 & ? \\ t_w & ? & 1 \end{array}$$

$\boldsymbol{\mu} = \{8, 15\}$

$\boldsymbol{\Sigma} = \{1, 2\}$

$t_{inc} \sim logN(1.621, 0.418)$
$t_g \sim U(0, 3)$
$t_p \sim U(0 ,3)$



Model 2 10 unknown parameters 6 unknown with priors

All parameters drawn from multivariate normal

$\{t_{inc}, vl, t_p, t_g, t_w\} \sim N(\boldsymbol{\mu}, \boldsymbol{\Sigma}, \boldsymbol{\rho})$

$$\boldsymbol{\rho} = \begin{array}{c|ccccc} & t_{inc} & vl & t_p & t_g & t_w \\ t_{inc} & 1 & 0 & ? & + & 0 \\ vl & 0 & 1 & 0 & 0 & ? \\ t_p & ? & 0 & 1 & ? & 0 \\ t_g & + & 0 & ? & 1 & 0 \\ t_w & 0 & ? & 0 & 0 & 1 \end{array}$$

$\boldsymbol{\mu} = \{0, 8, -2, -0.1, 15\}$

$\boldsymbol{\Sigma} = \{1, 1, 0.5, 0.5, 2\}$