$$
\begin{aligned}
\mu_a &\sim \mathcal{N}(0, 1) \\
\mu_z &\sim \mathcal{N}(0, 1) \\
\mu_v &\sim \mathcal{N}(0, 1) \\
\mu_{ter} &\sim \mathcal{N}(0, 1) \\
\mu_{sv} &\sim \mathcal{N}(0, 1) \\
\mu_{sz} &\sim \mathcal{N}(0, 1) \\
\mu_{ster} &\sim \mathcal{N}(0, 1)
\end{aligned}
$$

$$
\begin{aligned}
\sigma_a &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_z &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_v &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_{ter} &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_{sv} &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_{sz} &\sim \mathcal{U}(1e^{-10}, 100) \\
\sigma_{ster} &\sim \mathcal{U}(1e^{-10}, 100)
\end{aligned}
$$

$$
\begin{aligned}
a_i &\sim \mathcal{N}(\mu_a, \sigma_a) \\
z_i &\sim \mathcal{N}(\mu_z, \sigma_z) \\
v_i &\sim \mathcal{N}(\mu_v, \sigma_v) \\
ter_i &\sim \mathcal{N}(\mu_{ter}, \sigma_{ter}) \\
sv_i &\sim \mathcal{N}(\mu_{sv}, \sigma_{sv}) \\
sz_i &\sim \mathcal{N}(\mu_{sz}, \sigma_{sz}) \\
ster_i &\sim \mathcal{N}(\mu_{ster}, \sigma_{ster})
\end{aligned}
$$

$$
wfpt_{i,j} \sim wfpt(x_{i,j}|a_i, z_i, v_i, ter_i, sv_i, sz_i, ster_i)
$$