Self-regulation

Intrinsic fecundity: λ_i

Intraspecific interaction: α_{ii}

Fecundity F_i

Neighbour effect

Floral visitor $\longrightarrow$ $\overline{\gamma_{i,Fv}}$, $\widehat{\gamma_{il}}$

$\widehat{\beta_{ijl,Fv}}$

Plant $\longrightarrow$ $\overline{\alpha_i}$, $\widehat{\alpha_{ij}}$, $\widehat{\beta_{ijk,Plt}}$

$\widehat{\beta_{ijh,H}}$

Herbivore $\longrightarrow$ $\overline{\gamma_{i,H}}$, $\widehat{\gamma_{ih}}$

i, j, k = plant species, $i \neq j \neq k$

l = one floral visitor species

h = one herbivore species

α = one plant species effect on the focal

γ = one higher trophic level species effect on the focal

β = one species (plant or HTL) effect on a pairwise plant interaction

$\overline{parameter}$ = generic effect of all neighbours of one guild on the focal species

$\widehat{parameter}$ = species-specific effect of one species on the focal species