**Competitive Lotka-Volterra Equation**

Calculation of the effect of competing species on the growth of species *i*.

* refers to the population growth rate of species *i*.
* refers to the intrinsic rate of increase of species *i*.
* refers to the population of species *i*.
* refers to the total amount of competing species.
* refers to the carrying capacity of species *i*.
* refers to the competition coefficient of species *j* upon *i*.

Note that is equal to 1.

Source:

Gotelli, Nicholas J. (2008). *A Primer of Ecology.* Sunderland, MA: Sinauer.

**Competition Coefficient**

Calculation of the competition of species *j* on species *i*.

* is the competition coefficient
* refers to the relative utilization of resource *h* by species *i*, computed as a fraction of the total utilization of all resources for species *i*.

Source:

Schoener, T. (1974). Some Methods for Calculating Competition Coefficients from Resource-Utilization Spectra. *The American Naturalist,* *108*(961), 332-340. Retrieved from <http://www.jstor.org/stable/2459895>