

Population Equations

Variables

N	-Population Size
ΔN	-Change in Population
N_t	-Future Population
N_o	-Initial Population
B	-Births
D	-Deaths
I	-Immigration
E	-Emigration
r	-Growth Rate
K	-Carrying Capacity
e	-** constant= 2.71
t	-Time

Equations

$$\Delta N = [B - D] + [I - E]$$

$$r = \Delta N / N$$

$$N_t = N_o e^{rt}$$