

Parameter	Meaning	Value(s)
a	Multiplier for the exponential part of the Gompertz-Makeham model	1.15106610e-02
b	Exponential factor of the Gompertz-Makeham model	Trait (initialized at 0.07)
c	Age-independent mortality component	4.26805906e-02
Lmax	Maximum benefit of learning	Trait (initialized at 0.1)
k	Age at which learning is equal to Lmax/2	3.94526937e+01
n	Steepness of the learning curve	9.41817943e-02
Gmax	Maximum benefit of growth	1.00399978e-01
h	Growth rate	9.23916941e-02
c_{f} (female)	Brass polynomial coefficient for females	2.445e-5
d(female)	Age at which reproduction starts for females	14.8
w(female)	Span of the reproduction period for females	32.836
c_{f} (male)	Brass polynomial coefficient for males	9.78e-06
d(male)	Age at which reproduction starts for males	14.8
w(male)	Span of the reproduction period for males	47.836
age half(male)	Age at which fertility stagnates to half of the fertility at age 35	55
Initial population size	Starting population size for the sexual model	5000
Population threshold	Maximum number of agents for the sexual model	10000
Population size	Constant number of agents for the asexual model	20000
Mutation rate	Chance of a mutation appearing	0.02