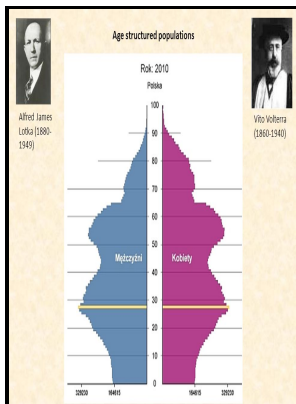# Evolution in age-structured populations

Cambridge University Press - Evolution In Age Structured Populations by Brian Charlesworth

Description: -
-
Mongolian language -- Texts
Fiction -- 20th century -- History and criticism.
Evolution (Biology) -- Mathematical models.
Population genetics -- Mathematical models.
Age-structured populations -- Mathematical models.Evolution in age-structured populations
-
Kunst und Kommunikation -- Bd. 4.
13
Cambridge studies in mathematical biology ;Evolution in age-structured populations
Notes: Includes bibliographical references (p. [273]-291) and indexes.
This edition was published in 1994

Filesize: 69.1010 MB

Tags: #Evolution #of #stochastic #demography #with #life #history #tradeoffs #in #density

Evolution In Age Structured Populations by Brian Charlesworth

Well OK obviously I didn't read the whole thing. I wish Charlesworth would have gone beyond the single-locus models that dominate the book, tho. Abstract We describe the simulation method of modeling the population evolution using Monte Carlo based on the Penna model.

Evolution of stochastic demography with life history tradeoffs in density

The environment fluctuates in a stationary distribution with no autocorrelation.

Evolution in age

Conclusion: It is imperative that age, gender, area of residence specific and culturally relevant policies be developed in order to effectively address these health matters without delay. The generated gradient of defective genes determines the ageing of individuals and age-structured populations are very similar to the natural, sexually reproducing populations. Individuals in the populations are represented by their diploid genomes.

CiteSeerX — EVOLUTION OF THE AGE STRUCTURED POPULATIONS AND DEMOGRAPHY

A positive linear combination of age classes e. Keywords: K-selection; age distribution; environmental variance; evolutionary maximization; r-selection. The theory of selection on multivariate traits in age-structured populations has important implications for empirical and theoretical studies of life-history evolution.

Charlesworth, B. (1994) Evolution in Age

Objectives: To evaluate health indices of those in the retirement aged cohort and working aged cohort; to determine rates of comorbidity for those in the retirement aged and the working aged cohorts; to compute the prevalence rate of specific chronic non-communicable diseases and to calculate death rates for those in retirement aged and the working aged cohorts.

Evolution of stochastic demography with life history tradeoffs in density

I wish Charlesworth would have gone beyond the single-locus models that dominate the book, tho. The genetic structure of a population depends on the way how the random death affects the population.

Natural selection on multivariate traits in age

. But for someone who has access to the journals and the primary literature, this was an OK summary.

Charlesworth, B. (1994) Evolution in Age

A model of natural selection on a set of correlated quantitative traits with age structure is derived here, using an extension of previous work on selection at a single locus. Published under the PNAS license.

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