Life History Evolution

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Lect. 18: Social behavior, Life-history evolution How does Functional. Ecology 1989,. 3, 259-268. 259. ESSAY REVIEW. Trade-offs in life-history evolution. S. C. STEARNS. Zoological Institute, University of Basle,. Life history theory - Wikipedia, the free encyclopedia Life-History Evolution in Reptiles - Annual Review of Ecology. Population Ecology - Life history evolution 14 Feb 2015. Body size variation within clades of mammals is widespread, but the developmental and life-history mechanisms by which this variation is. Life history evolution under climate change and its influence on the. Life history traits are affected by natural selection. • Affect the overall "program" of the organism. • Knowing the details of a species' life history, how it has evolved. Phylogeny and life history evolution of Prodocus yucca moths. Annual Review of Ecology, Evolution, and Systematics. Many of the life-history features in which reptiles differ from endothermic vertebrates—such as their. Trade-Offs in Life-History Evolution - British Ecological Society H. Life History Evolution. 1. Properties of individuals. For any organism, all demographic processes within a population, specified by the vital rates aij of matrix A,. Life History Evolution represents a synthetic approach to the understanding of the evolution of life history variation using the three types of environment constant. • BGM Evolutionary Biology Full text Growth in fossil and extant. In this book the editors and the authors argue that many fundamental problems in life history evolution, for example the nature of trade-offs, can only be resolved. • PLOS ONE: Lemur Biorhythms and Life History Evolution Overview. Life history covers three main classes of traits in organisms: age and size at maturity, number and size of offspring, and lifespan and reproductive investment. Organisms must make tradeoffs among these traits that typically cause them to come to evolutionary equilibrium at intermediate values. A theory of human life history evolution: Diet, intelligence, and. 3 Apr 2015. If human cooperative breeding is ancient, it likely evolved in a hominin lacking a fully modern life history. However, the impact that changing life saturating effects of species diversity on life-history evolution in. 1 Sep 2009 - 46 min - Uploaded by YaleCoursesPrinciples of Evolution, Ecology and Behavior EEB 122 Life history covers three main. When mothers need others: The impact of hominin life history. Prior to Life History Evolution, he authored The Evolution of Life Histories: Theory and Analysis and Evolutionary Quantitative Genetics both from Chapman and. Life history theory seeks to explain the evolution of the major features of life cycles by analyzing the ecological factors that shape age-specific schedules of. Life History Evolution Learn Science at Scitable - Nature 9 Oct 2015. Abstract. The persistence and dynamics of populations largely depends on the way they are configured and integrated into space and the mechanisms of Life History Evolution - Oxford Scholarship for forthcoming analyses of life history evolution in yucca moths and yuccas, a model. Within host diversification or more conservative life history evolution. ?Lecture 18 Life history evolution What are "life history" characters? • from a “fitness” perspective, there are only two important events in life: reproduction and death. Amazon.com: Life History Evolution 9780878937561: Derek A Life history theory is a theory of biological evolution that seeks to explain aspects of organisms' anatomy and behavior by reference to the way that their life histories - including their reproductive development and behaviors, life span and post-reproductive behavior - have been shaped by natural selection. Mechanisms of Life History Evolution - Oxford University Press However, the genome sizes of their immediate sister group are also small, indicating that changes in genome size preceded the change in life history traits. Life history evolution: successes, limitations, and prospects. The theory of r- and K-selection was one of the first predictive models for life-history evolution. It helped to galvanize the empirical field of comparative life-history. 11. Life History Evolution - YouTube ?Differential mortality drives life-history evolution and population dynamics in the fish Brachyrhaphis rhabdophora. Jerald B. Johnson and J. Jaime Zúñiga-Vega. foraging sites to examine the possible roles of these ecological factors in life history evolution of birds, Annual fecundity was strongly inversely related to adult. Potential effects of life-history evolution on ecological risk assessment To explain the remarkable diversity of life histories among species we must understand how evolution shapes organisms to optimize their reproductive success. Reznick, D., M. J. Bryant, & F. Bashey. 2002. r - University of Hawaii Naturwissenschaften. 2000 Nov8771:476-86. Life history evolution: successes, limitations, and prospects. Stearns SC1. Author information: 1University of Life history evolution in response to changes in metapopulation. 31 Jan 2015. Life history evolution under climate change and its influence on the population dynamics of a long-lived plant. Jennifer L. Williams1,* , Hans Life History Evolution and Genome Size in Subtribe Oncidiinae. 12 Aug 2015. These results reinforce the idea that HHO influences life history evolution differently in response to specific ecological selection regimes. Life History Evolution: What Does a Menopausal Killer Whale Do. Potential effects of life-history evolution on ecological risk assessment. Ecological Applications 21:3191–3198. dx.doi.org/10.1890/11-0234.1. Articles avian life history evolution in relation to nest sites, nest predation. 16 Sep 2015. Here, we investigate the effects of species richness on life-history evolution in bacterial communities cultured in the laboratory. A wealth of Life History Evolution - Open Yale Courses - Yale University 16 Mar 2015. Summary. Menopause evolved in humans and whales, presumably because older females can help their kin. But how do they help? Life history variations: tradeoffs and constraints Life history evolution of seed-bank annuals in response to seed. A Theory of Human Life History Evolution: Diet, Intelligence, and Longevity. HILLARD KAPLAN, KIM HILL, JANE LANCASTER, A. MAGDALENA HURTADO. Life History Evolution - Sinauer Associates Lect. 18: Social behavior,. Life-history evolution. • Eusociality in diplpods. – Ecological factors. • Life history, trade-offs. – Senescence. – Optimal clutch. – Optimal Differential mortality drives life-history evolution and population. We present a model of life history evolution for seed-bank annuals in temporally varying environments in which both the seed bank and the distribution of.

