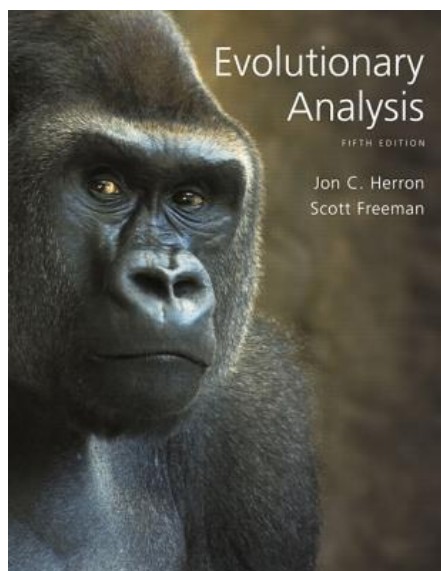




Evolutionary Analysis

Scott Freeman , Jon C. Herron

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By presenting evolutionary biology as an ongoing research effort, this best-seller aims to help readers think like scientists. The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications. Features a new chapter on Phylogenomics and the Molecular Basis of Adaptation (Ch. 15). Offers an earlier presentation of Reconstructing Evolutionary Trees, reflecting the growing importance of this topic in the field. Includes the latest research and examples, giving students access to the most current developments in the field. Includes full-color photographs, diagrams and data-graphics throughout, developed by the author. Undergraduate courses in evolution

Evolutionary Analysis Details

Date : Published August 22nd 2013 by Pearson (first published January 7th 1997)

ISBN : 9780321616678

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Format : Hardcover 864 pages

Genre : Science, Nonfiction, Biology, Evolution, Textbooks

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From Reader Review Evolutionary Analysis for online ebook

Lauren says

A great book about Evolution

Linda Munro says

This was a suggested reading for a course in an introduction to evolution and genetics that I am taking through coursera.org. Although it is a rather large book, it seemed like approximately half of the book was questions, suggested reading and bibliography notes, without studying these items too closely, it became a relatively short text.

According to a synopsis, this book: 'By presenting evolutionary biology as an ongoing research effort, this best-seller aims to help readers think like scientists. The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications.' I did not see it that way. I took biology as a sophomore in high school (approximately 710 years ago) and an introductory class should not offer such a detailed, scientific book as a suggested read.

Although I ended up learning quite a bit concerning collecting data, experimenting, DNA, RNA, etc, I am giving this book a 3-star rating. This rating is simply because it was not a book I would have chosen to read in regards to my interest in evolution. When I decided to take this class, I had not realized how technical it would be, nor did I realize how closely genetics are concerned with evolution.

Linnéa Lindroth says

Intressant fast jag somnade varje gång jag skulle läsa.

E D says

That was horrible. This book never goes anywhere, never says anything, it just keep walking in circles. It has simplystic explanations of the concepts when it bothers to "explain" something. It looks like a magazine with all that absurd amount of examples, and insists in trying to make analogies. How irritating and a waste of time. I'm glad that Ridley exists, because Ridley is the definitive textbook about evolutionary biology.

Tori says

Evolutionary Analysis by Scott Freeman (2004)

Drew Crownover says

Beautiful comprehensive study of evolution. Clear, easy-to-read text, with plenty of charts, diagrams, pictures, etc. I didn't major in biology, and it had been at least ten years since I'd sat through a science course, but I found this textbook extremely understandable.

Rodrigo Medel says

This a very good introductory book to evolutionary biology. It presents the most important topics in the discipline in a simple and readable manner. Although not so advanced as Futuyma's or Barton's books, Freeman & Herron present a balanced view of classic and novel advances in evolution, such as those involving epigenetics, evodevo, and genomic approaches to name a few. With plenty of schemes, charts, diagrams, and figures, the book is well-designed and full of questions and suggested readings that stimulate students to inquire more deeply in the current literature. Overall, the book covers a broad range of concepts in a rigorous manner. Highly recommended for undergraduate students in biology and environmental science.

Jared says

Excellent textbook for an upper division undergraduate course in evolution! They keep the material current by constant adding/updating recent experiments and results to each edition. Their explanations are thorough and in depth. They do not shy away from more complex topics and instructors can easily use this book to fit the needs of their students. The authors approach of data analysis is fascinating and instructive. Not only will students learn how science is done, but as they read through the myriad examples they will feel like they are a part of the process!

Sofia says

Pretty decent reference for beginners in population genetics.

Don't know about the "normal" one, but the international edition contains a chapter on the history of the controversy of teaching evolution in U.S. schools, which I thought was hilariously apologetic, although a sad example on how science sometimes loses to politics.
