Evolutionary Analysis

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FIFTH EDITION

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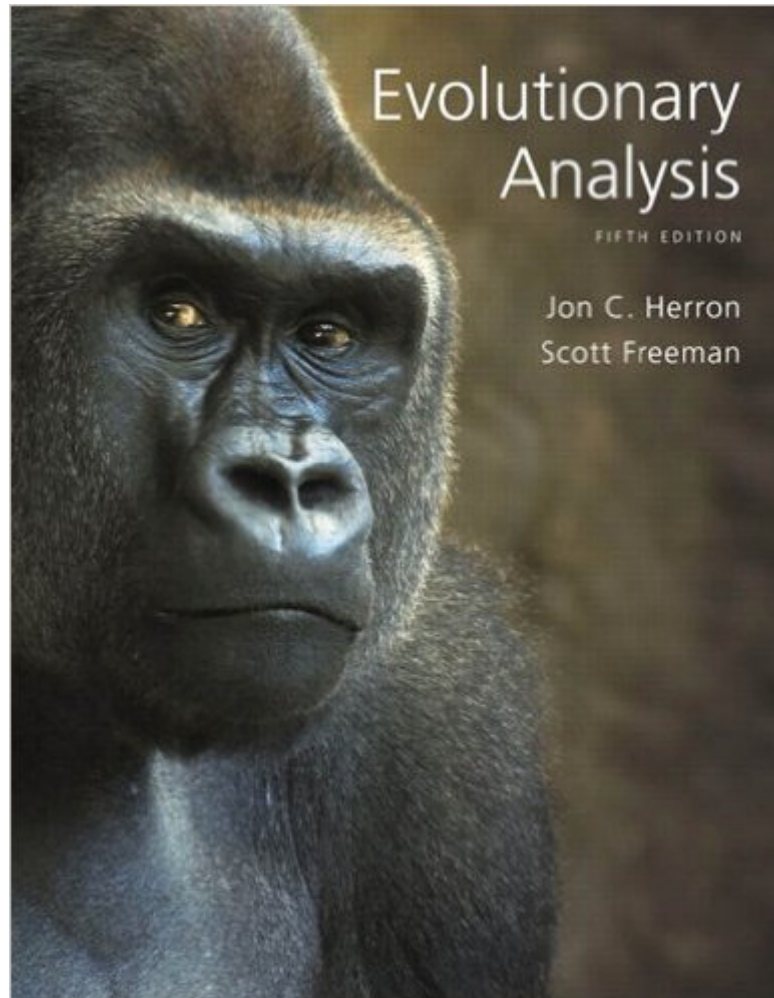
Synopsis

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For undergraduate courses in Evolution Â By presenting evolutionary biology as a dynamic, ongoing research effort and organizing discussions around questions, this best-selling text helps you think like a scientist as you learn about evolution.Â The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications. Â In the Fifth Edition, co-author Jon Herron takes the lead in streamlining and updating content to reflect key changes in the field. The design and art program have also been updated for enhanced clarity.

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Customer Reviews

I have used all three earlier editions of this text for my undergraduate 'Evolution' course (I am a college Professor of Biology) and have witnessed the various changes made over the years. The new version has updated much of the information on molecular evolution; the authors should be

commended for their very thorough literature review. With the veritable explosion of research into evolutionary phenomena, this must be difficult indeed! The initial chapter on HIV still remains a wonderful introduction to your typically "human oriented" undergraduate and serves to generate interest in the topic early on. The phlogeny/evolutionary tree chapter was moved earlier to the "Introduction" part of the text; not sure why this was done. It was also nice to finally see mention made of reaction norms in the 'Adaptation' chapter (at last!), but there are still no examples of phenotypic plasticity from the vast botanical literature. The 'Evolution and Human Health' chapter is excellent for the medical student. Rather oddly, the important topic of speciation is near the book's end (Chapter 16) and glosses over the many fine examples from the plant evolution literature (polyploid speciation is virtually ignored, except for two paragraphs on p.159). My students are fascinated by the 'evolution of wheat' story, but don't look for that example of speciation here.My primary complaint with this, and the preceding editions, is still the overwhelming amount of extraneous detail. How I wish I could use my editorial hand on this one! Does an undergraduate student really need over 20 pages on linkage disequilibrium? Are the final details of QTL mapping really necessary at this level of student education? Do we really need 4 pages on the 'fallacy' of the bell-curve (interesting advanced topic, but...

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