



Dear Adopter,

We apologize for the following typos in the first printing of our text, *An Introduction to Methods & Models in Ecology, Evolution, & Conservation Biology*. We hope we have now caught them all and hope to save you some time by noting them all here. Please feel free to contact us directly if you have questions or suggestions about the text and the exercises.

Yours sincerely,

Stan Braude and Bobbi Low

#### Chapter 7

**pg. 75:** Question 4 should begin: "Using your estimate of K from question 2, and using the Verhulst-Pearl equation, calculate..."

**Instructors Manual pg. 38, Question 4** should also note: While there is fluctuation after day 8, the populations are fluctuating around the carrying capacity. Hence K for *aurelia* is somewhere around 800, K for *caudatum* is somewhere between 200 and 300. These populations are close to carrying capacity on day 8 and students see the effects of this on growth rate as they use the Verlhurst equation.

**Instructors Manual pg. 39, Figure 7.3** does correctly plot the relationship between the two species, but does not follow the instructions in question 7, *ie* to put *aurelia* on the x axis. The caption is also incorrect, and should not say 'over time'. Furthermore, *P. aurelia* and *P. caudatum* should both be italicized on the x and y axes.

#### Chapter 9

**pg. 94:** Equation 9.2 is preceded by a sentence that ends with a period. There is then another period placed after the end of the equation. The sentence should instead be ended with a colon.

**pg. 95:** Table 9.2 has an error in the heading of the last column.  $\log(A) \log(\text{species no.}) (x) * x (y)$  should be changed to  $\log(A) \log(\text{species no.}) (x) * (y)$ . An extra x term was inadvertently inserted before the last (y) term.

**pgs. 95 and 96:** the paragraph on beetles should be located in the middle of page 95. The beetle image should be at the bottom of page 95, and fig 9.4 should be on page 96.

**pg. 96, question 4:** Please add this clarifier after the first sentence in question 4: (use equations 9.1 and the regression lines in figures 9.2, 9.4, and 9.5)

**pg 103:** The reference for Diamond 1968, should be Daimond 1969

### **Chapter 11**

**pg. 118, Case Study and Data:** After the sentence, “Estimates of population size have greatly varied, from one population estimated to be about 300 individuals, to several populations possibly as small as 3 individuals” there needs to be a period.

### **Chapter 12**

**pg. 129:** In equation 12.3 the last variable,  $t$ , should be raised as an exponent, instead of left on the same line as if to be multiplied.

### **Chapter 14**

**pg. 160, Box 14.2:** The second sentence should instead read: Here are the growth rate data for 15 chicks from the Auklet Island colony.

**pg. 169:** The last sentence of the second paragraph, “The regression line will always passes Through  $x$  and  $y$ ” should be changed to “The regression line will always pass through  $x$  and  $y$ .” The  $T$  in through is improperly capitalized and passes should be changed to pass (or will should be removed).

**pg. 174, question 6 should read:** Earlier in this chapter (Box 14.2 on page 160) we presented a sample of growth rates from the colony of Western Gulls on Auklet Island. Now please calculate the sample mean, median, 1<sup>st</sup> and 3<sup>rd</sup> quartiles, IQR,  $s^2$ ,  $s$ , and CV for the growth rates of chicks on Birdman Island.  
The question continues accurately on page 175.

### **Chapter 17**

**pg. 200:** In question 1, the word “both” should be changed to “each” (and islands made singular), so that the question reads: “What are the alpha, beta, and gamma diversities for birds on each island?”

**pg. 202:** Equations 17.2 and 17.3 are preceded by sentences that end with a period. The equations are then followed by another period. The preceding sentences should instead end with a colon.

**pg. 207:** Delete the last sentence on the page.

**pg. 209:** Table 17.7, Move the rows for plant totals to the bottom, under palms and orchids.

**pg. 210:** In table 17.8, “Amphibians” has been indented too much and should instead be aligned with Mammals, Birds, Reptiles, Fish, and Insects.

### **Chapter 19**

**pg. 228** in the variable list, ‘average choc bars per house in all neighborhood’ should read: ‘average choc bars per house in all neighborhoods’

**pg. 230:** Figure 19.2 remove “TTBN” from the  $x$  axis where the dotted line intercepts the axis.