Errata for Conservation and the Genetics of Populations, 2007

Cover
The image is too dark. It should be made lighter.

Page xvii
Add \( n \), number of loci, 10

Page 10
Section 1.3, second paragraph, line 3, \textbf{“Stochastic”} should be bolded.

Page 14
Problem 1.3, insert "concern" between “conservation” and “that”

Page 35
Section 3.1 first paragraph, line 5, replace “female mule” with “male donkey”.

Page 40
\( 2n=32 \) for mountain zebra, not 34

Page 46
Line 5, “assoc-iated” should be “associated”.

Page 52
Add to Table 3.6 legend, “\( P \) is the proportion of loci that is variable.”

Page 61
Problem 3.9, line 6, replace "that" with "than"

Page 73
Section 4.2.3, second paragraph, first line, delete “could”.

Page 75
Section 4.3.1, line 5, “though” should be “thought”

Page 89
Line 6, 2\textsuperscript{nd} paragraph in Section 4.6.2: “linkage disequilibrium” should be gametic disequilibrium”.

Page 96
First line of the 4\textsuperscript{th} paragraph, delete “of the probability” so that the sentence reads “The \textbf{product rule} states that the probability of two or more . . .”.

Page 96
Last line, should be \( 1/36 + 1/36 + 1/36 + 1/36 + 1/36 + 1/36 = 6/36 = 1/6 \)

Page 105
Last line, “Backwater” should be “Blackwater”

Page 106
Example 6.4, 2\textsuperscript{nd} line of equations should be \( \hat{q} = \sqrt{0.847} \), not \( \hat{q}^2 = \sqrt{0.847} \)

Page 115
Problem 5.5, line 7, replace "course" with "book"

Page 116
Problem 5.8, 2\textsuperscript{nd} line from end, replace "course" with "book"

Page 119
Last line, “Grauer” should be “Graur”

Page 127
Second full paragraph, line 2, replace "\( n \)" with "\( A \)"
Page 128  Question 6.1, line 5, replace "bottle" with "bottleneck"

Page 144  Problem 6.8, 2nd line after table, should be expression “6.9”, not “6.7”.

Page 156  Example 7.2. Line 7, “see Figure 7.2” should be “see Figure 7.4”.

Page 163  Second full paragraph, lines 3-4, “equal N_c.” should be “approximately equal to N_c generations for mtDNA and four times as long for a nuclear gene”.

Page 165  Section 7.9.1, line 5, “heterozygosity” and “allelic diversity” should be interchanged

Page 165  Section 7.9.1, line 6, should be “ratio”, not “ration”.

Page 172  Fourth paragraph, last sentence, “great” should be “greater”

Page 173  Legend for Figure 8.1, lines 6 and 8, “costal” should be “coastal”

Page 181  Last paragraph, line 8, “allele C” should be “allele S”

Page 188  Figure 8.9. Remove “-” before “1.0” on x-axis label. Add “From (Crow and Kimura 1970).” to the end of the legend.

Page 195  Problem 8.9, line 1, replace "course" with "book"

Page 196  2nd line, "by reduced" should be "reduced by."

Page 201  Example 9.2, formula in 3rd line from bottom, should be “=0.738”.

Page 203  4th paragraph after equation 9.7, add the following to the last sentence, “. . . more than two alleles when multiple populations are sampled”.

Page 214  Example 9.4, line 8, replace “unviable” with “inviable”

Page 214  Example 9.4, second paragraph, line 8, “in a value R_{ST} (0.98).” should be “in a higher value of R_{ST} (0.98).”

Page 226  Last line before Section 9.9: “linkage disequilibrium” should be gametic disequilibrium”.

Page 244  3rd paragraph, first line, replace "sib" with "sibs"

Page 247  Last paragraph, first line: insert “swarm” between “hybrid” and “can”.

Page 256  Problem 10.9, line 5, replace "11" with "12”; i.e., "12 FF"
Page 257  Author of 2nd quote should be “Michael”, not “Michel”.
Page 262  2nd paragraph, 2nd line, delete “to” in “from to the interaction”.
Page 262  1st paragraph, section 11.2, 4th line, “fisher” should be “Fisher”.
Page 286  4th paragraph, 2nd line, delete “rates” from “mutation rates are rare”.
Page 288  Section 12.1.2, “Grauer” should be “Graur” in 1st & 2nd paragraphs
Page 290  Section 12.1.4, first paragraph, line 10, “Grauer” should be “Graur”
Page 294  Last line before Section 12.2.2, “Grauer” should be “Graur”
Page 336  Section 14.1, first paragraph, line 10, replace "Eosystem" with "Ecosystem"
Page 349  Table 14.1 should be replaced with table at the end of this list.
Page 359  Section 14.9, last complete sentence on page, insert “not”: “These numbers should not, however, be used as targets.”
Page 361  Problem 14.1, line 6, replace "course" with "book"
Page 370  Second sentence of last paragraph, should be Nunney (1997), not Nunney (1999).
Page 404  Section 16.5.1, paragraph 2, line 6, “selfing” should be “asexual”
Page 405  Line 7, replace "fragment-ation" with "fragmentation"
Page 426  Section 17.1.3, 3rd line, “sp ecies” should be “species”.
Page 466  Section 18.5.3, 2nd line from bottom, replace "slow" with "small"
Page 467  Figure 18.4 (a) and (b), replace "Inbred" with "Inbreeding”
Page 487  Next to last paragraph, line 2, “Florida” should be upper-case
Page 497  Third paragraph, line 5, “Florida” should be upper-case
Page 517  Figure 20.4 (both a & b), “Adack” should be “Adak”
Page 522  Problem 20.1, last line, remove "?"
Page 532  genomic ratchet, delete “and with relatively few hybrids per generation.”
neighborhood, replace “call” with “can”.

Page 545
Line 5, should be “R.A. Fisher”

Page 586
First reference, title, “Flower” should be upper-case.

Page 586
Coltman et al. (2003) volume should be “426”, not “425”.

Page 589
El Mousadik and Petit. 1996. “alleleic” should be “allelic”.

Page 592
Funk et al. 2005, title should be "Genetic basis of variation in morphological and life-history traits of a wild population of pink salmon."

Page 594
“Grauer” should be “Graur”

Page 597
Hogan et al. 2004, should be "228-237"

Page 349
Replace Table 14.1 with the following:

### Table 14.1. Examples of demographic criteria for evaluating the results of population viability analyses.

<table>
<thead>
<tr>
<th>Source</th>
<th>Status</th>
<th>Probability Extinction</th>
<th>Time Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaffer (1978)</td>
<td>Minimum viable population (MVP)</td>
<td>&lt;5%</td>
<td>100 years</td>
</tr>
<tr>
<td>Shaffer (1981)</td>
<td>MVP</td>
<td>&lt;1%</td>
<td>1,000 years</td>
</tr>
<tr>
<td>Thompson (1991)</td>
<td>Endangered</td>
<td>&gt;5%</td>
<td>100 years</td>
</tr>
<tr>
<td>Rieman et al. (1993)</td>
<td>Low threat</td>
<td>&lt;5%</td>
<td>100-200 years</td>
</tr>
<tr>
<td>Rieman et al. (1993)</td>
<td>High threat</td>
<td>&gt;50%</td>
<td>100-200 years</td>
</tr>
<tr>
<td>AEPBCA*</td>
<td>Vulnerable</td>
<td>&gt;10%</td>
<td>Medium-term future</td>
</tr>
<tr>
<td></td>
<td>Endangered</td>
<td>&gt;20%</td>
<td>Near future</td>
</tr>
<tr>
<td></td>
<td>Critically endangered</td>
<td>&gt;50%</td>
<td>Immediate future</td>
</tr>
<tr>
<td>IUCN</td>
<td>Vulnerable</td>
<td>&gt;10%</td>
<td>100 years</td>
</tr>
<tr>
<td></td>
<td>Endangered</td>
<td>&gt;20%</td>
<td>20 years or 5 generations</td>
</tr>
<tr>
<td></td>
<td>Critically endangered</td>
<td>&gt;50%</td>
<td>10 years or 3 generations</td>
</tr>
</tbody>
</table>
* Australian Environment Protection and Biodiversity Conservation Act 1999