Thanks to: Mike Braun, David Jabon, Elliot Linsley, Scott McKenney, Jesper Møller, Chi Nguyen, Mohammad Salmassi, Mark Tobey

Please email additional corrections to: j.rhodes@alaska.edu

## Text:

${ }^{\text {'* }}$ ) denotes corrected in the second printing,
' $\bullet$ ' denotes not corrected yet.

* p. 14; Figure 1.2: The equation above the graph should read "next_p=p+.7*p*(1-p/10)".
- p. 34; Line 1: The formula should read: $P_{t+1}=P_{t} e^{r\left(1-P_{t} / K\right)}$
* p. 35; Fig 1.12: The vertical intercept should be $e^{r}-1$, not r.
- p. 37; Problem 1.4.3b: The formula should be $\Delta P / P=R(K-P)(P-L)$
- p. 48; Fourth displayed line of mathematics: A $g$ is missing from the equation for $y_{2}$
* p. 54 ; Line 7: Should say " 60 through 74 "
- p. 83; Problem 2.4.3: Should say "... of the Usher matrix ..."
* p. 92; Problem 3.1.2: Should say "... counterclockwise pattern ..."
* p. 105; Problem 3.3.8.a: Second equation should be:

$$
Q_{t+1}=(1-u) Q_{t}+v P_{t} Q_{t}
$$

- p. 141: Both $\mathbf{p}_{1}$ and $\mathbf{p}_{2}$ have the second and third column entry reversed.

The offset equations should read

$$
\mathbf{p}_{1}=M \mathbf{p}_{0}=\left(\begin{array}{l}
.225 \\
.300 \\
.275 \\
.200
\end{array}\right), \quad \mathbf{p}_{2}=M \mathbf{p}_{1}=\left(\begin{array}{c}
.222 \\
.320 \\
.274 \\
.183
\end{array}\right)
$$

* p. 208; Line 1 and line 3, "boostrapping" should be "bootstrapping"
* p. 213: The m-file flhiv mentioned in the middle of the page should be flhivdata.
- p. 311: The first sentence is almost incomprehensible. A better version follows. (We welcome further suggestions for improving this.)
If the female population were wholly susceptible to gonorrhea, that is, if $S_{t}^{f}=N^{f}$, then the expression $\frac{N^{f}}{\rho^{f}}=\frac{\alpha^{f}}{\gamma^{f}} N^{f}$ would give the average number of (infective females) • (time steps) caused by an infective male during a single time step.


## Solution Manual of 2003:

The following have been corrected in the Jan. 14, 2005 version, which should be posted on the CUP website shortly. We recommend simply getting the corrected version.

- p. 9; 1.2.9c: Diagram is wrong. Cobweb should descend toward 0.
- p. 11; 1.3.9: Should refer to $|1+r|<1,|1+r|>1,|1-r|<1,|1-r|>1$, not $<0$ and $>0$.
- p. $12 ; 1.4 .3 \mathrm{~b}:$ The first paragraph should say:

The graph of the polynomial $y=R(K-P)(P-L)$ has horizontal-axis intercepts at $P=L$ and $P=K$. Since $0<L<K$, the polynomial's values are negative when $0<P<L$ (when only the last factor is negative) and $K<P$ (when only the middle factor is negative), and positive when $L<P<K$ (when all factors are positive).

- p. 18; 2.3.4b: The dominant eigenvalue for the altered model should be 1.1326.
- p. 28; 4.2.12b: A space is missing in 'no change'.
- p. 28; 4.2.12c: Should be: $1(.985)^{3}+3(.985)(.015)^{2}=.9563365$.
- p. 32; 4.4.15b: Insert the word 'distribution' after 'base'.


## Solution Manual of Jan. 14, 2005 and earlier:

The following have not yet been corrected.

- p. 9; 1.2.9d: Diagram is wrong. Cobweb should not spiral into a stable equilibrium.
- p. 22; 3.1.10, line 5: Should read "... in the formula for $Q$ is 0 when $Q=0$ and ..."

