

Introduction to Scientific Programming and Simulation Using R

Errata as of 11 October 2011

The following errata were present in early printings but later corrected.

p17 15 “[1] 3 4 4” should be “[1] 2 4 4”

p30 117 “`show(x)`” should be “`print(x)`”

p64 16 The parenthetical statement is incorrect and should be ignored (SE).

p152 122, 24 Insert \pm before d_0 in $x = d_0.d_1d_2\dots$ and before b_0 in $x = b_0.b_1b_2\dots$

p175 16 “ $\epsilon/f'(a)$ ” should be “ $\epsilon/|f'(a)|$ ”

p208 18 “the slope at \mathbf{x} ” should be “the curvature at \mathbf{x} ”

p211 13 should be “# `g(a.l) <= g(a.m)` and `g(a.m) >= g(a.r)`”

p211 126 “`return(x - a.max*y)`” should be “`return(x + a.max*y)`”

p222 131 If you wish to subsequently add points and lines to a contour plot, then it is much easier if you use `contour` rather than `contourplot`

p239 17 “ $5 \times 0.0625 = 0.3125$ ” should be “ $1 - (15/16)^5$ ”

p333 11 “In R the command `set.seed(seed)` puts you at point `seed` (assumed integer) on the cycle of pseudo-random numbers.” should be “For a given value of `seed` (assumed integer), the command `set.seed(seed)` always puts you at the same point on the cycle of pseudo-random numbers.”

p338 116 “ $F_X(x) = 2(x - 1)$ ” should be “ $F_X(x) = (x - 1)/2$ ”

p371 16 “ $\sqrt{2} \arctan\left(\frac{x}{2}\right)$ ” should be “ $\sqrt{2} \arctan\left(\frac{x}{\sqrt{2}}\right)$ ”

p397 110 “ $I(u)(v - u)$ ” should be “ $hI(u)(v - u)$ ”

p444 128 “`colour()` or `color()`” should be “`colours()` or `colors()`”

Here are errata discovered since those above were corrected, and thus present in all printings.

p21 11 “an subset” should be “subset”

p63 1-3 “If fact” should be “In fact”

p152 11 “ $37 - 255 = -218$ ” should be “ $37 - 127 = -90$ ”

p189 l23 “Simpon’s” should be “Simpson’s”

p365 l12 The sum should be divided by $2n$

p374 l10 “theta_hat” should be “matrix(theta_hat, n, N, byrow=TRUE)”

Thanks are due to Stephen Eglen and David Scott, among others, for pointing out our errors.