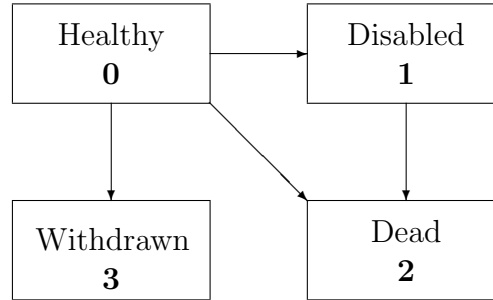


Errata Sheet for Actuarial Mathematics for Life Contingent Risks, 3rd Edition¹

- Page 67, Table 3.2: In column 3 (ALT Females) the correct values for ages 30 onwards are: 35, 78, 179, 401, 1 030, 3 316, 12 810, 30 326
- Page 140, the solution to 4.34(a) ${}_2p_{60} = 0.991885$
- Page 169, Point 3: the reference should be to (5.42), not (5.43)
- Page 178, the solution to 5.22(d)(i) is 8 679
- Page 216, the solution to 6.17(c) is 758 914
- Page 217, the solution to 6.22(e) is 30 678.35
- Page 279, Exercise 7.15, should refer to a ‘select life’ rather than ‘life’ in the opening sentence
- Page 297, at the second \Rightarrow sign, the t is a subscript, i.e. ${}_tp_x^{\overline{ii}}$
- Page 307: equation before (8.20): all three \bar{A}^{00} should be \bar{A}^{01}
- Page 313, in equation (8.32) the transition probability should be ${}_tp_x^{00}$, not ${}_tp_x^{01}$
- Page 358, the solutions to 8.21 (a)(ii) and (iii) should swapped with each other
- Page 387, the solution to 9.12 is \$181.27
- Page 387, the solution to 9.13(d) is \$2 713.72
- Page 392, line 13: the LHS should read $\Pr[T_{\overline{xy}} > t]$, not $\Pr[T_{\overline{xy}} > t]$
- Page 422 solutions to 10.14 should have (b) 0.68861, (d) \$6 969.90, (g) ${}_{19.5}V^{(0)} = 146\,374$
- Page 426: in the solutions to (b)(iii) and (iv), each power of 1.04 should be increased by 1, giving answers of 46 184 and 45 740
- Page 541, Exercise 13.15(a): the survival model should state: ‘90% of the force of mortality from the Standard Ultimate Survival Model’

¹Last updated on 18 August 2024

- Page 542: The labels 2 and 3 need to be interchanged in Figure 13.2, so that the correct figure is



- Page 543, the third solution in 13.3(a) should be $-\$4123.85$, not $-\$4067.02$.
- Page 657, penultimate line: replace ‘... month then...’ with ‘... month, given that the policyholder survives to the rebalancing date, then...’
- Page 658, Table 17.6: The heading for Column 6 should read ‘Value of Hedge b/f’ and the first three numbers in this column should be 11.958, 11.704 and 0.527. The heading for Column 7 should read ‘Hedge rebalance cost’ and the second and third numbers in this column should be -0.027 and -0.112 .
- Page 659, Table 17.7: in column 5 -23.99 and -109.16 should be replaced by -27.22 and -112.35 , and in column 6, 200.13 and 287.24 should be replaced by 203.36 and 290.43 .
- Page 659, the solution to 17.1(b) is 0.63%
- Page 659, Solution 17.5(b): for (i) PV should read EPV, and the numerical solution should be $-\$1189.09$, and for (ii) the numerical solution should be -1.12%
- Page 673, line 7 of text: $r_1 = r_0 - c_0$
- Page 719, line 11: should read ‘parameters μ and σ ’ (not σ^2)