

ACTEX EXAM C STUDY MANUAL – SPRING 2010

Errata List, by S. Broverman Updated January 24, 2010

Jan 24/10 Page ME-92, #31, there is a missing row in the data table,
there should be a row 6000 0 0 1 1

Jan 24/10 Page ME-92, second #31 should be labeled #32

Jan 24/10 Page ME-100, #32 solution should be

$$S_n(y_4) = S_n(y_3) \left(1 - \frac{s_4}{r_4} \right). \text{ Therefore, } .50 = (.65) \left(1 - \frac{3}{r_4} \right).$$

It follows that $r_4 = 13$. Since there are 3 deaths at time y_4 and 6 censorings at between y_4 and y_5 , the number at risk at time 5 must be $r_5 = 13 - 3 - 6 = 4$.

Then, from $S_n(y_5) = S_n(y_4) \left(1 - \frac{s_5}{r_5} \right)$ we get $.25 = (.5) \left(1 - \frac{s_5}{4} \right)$, it follows that $s_5 = 2$.

Answer: B