

Errata and Updates for ASM Exam C/4 Flashcards Sorted by Page

[11/7/2010] On card 19B, on the second line, change $\sum_i \Pr(B_i) = 1$ to $\Pr(\cup_i B_i) = 1$.

[6/21/2011] On card 21B, μ_n should be μ'_n .

[3/1/2011] On card 30B, $\gamma - 1$ should be $\gamma + 1$.

[2/16/2011] On card 64B, the second expression should have an indication that it applies in the range $d \leq \theta$.

[5/29/2010] On card 119B, delete the reference to formula (19.1.3).

[10/25/2010] On card 166B, replace the formulas with

$$\hat{\alpha} = \frac{m^2}{t - m^2}$$

$$\hat{\theta} = \frac{t - m^2}{m}$$

[2/10/2011] On card 181B, the denominator should be $1 - F(d)$ instead of $F(d)$.

[10/27/2010] On card 185B, there should be a single parenthesis around the expression in the sum of the denominator. In other words, the formula should be

$$\hat{\theta} = \frac{n}{\sum_{i=1}^{n+c} (1/x_i - 1/d_i)}$$

[10/25/2010] On card 186B, put a hat on θ ; $\hat{\theta}$.

[10/25/2010] On card 189B, move the left parenthesis in the numerator after the product sign.

[8/18/2010] On card 191B, the left parenthesis in the numerator of the formula for K should be moved to after the product sign:

$$K = \ln \frac{\prod_{i=1}^{n+c} (\theta + d_i)}{\prod_{i=1}^{n+c} (\theta + x_i)}$$

[5/18/2010] On card 222B, change the first “truncated” to “censored”.

[10/25/2010] On card 264B, the formula needs to be multiplied by μ_s :

$$n_0 \left(\frac{\sigma_f^2}{\mu_f} + \frac{\sigma_s^2}{\mu_s^2} \right) \mu_s$$

[2/8/2011] On card 278B, change $\alpha + \bar{x}$ to $\alpha + n\bar{x}$.

[2/8/2011] On card 279B, change $\alpha + \bar{x}$ to $\alpha + n\bar{x}$.

[2/27/2011] Card 287B is incorrect, and should be “Beta with $a_* = a + nr$, $b_* = b + n\bar{x}$, $\theta = 1$ ”.

[2/16/2011] On card 292B, change the parameters from (α, β) to $(\alpha + n, \beta + n\bar{x})$.

[10/19/2010] On card 312B, reverse the answers; $\text{Var}(X_i) = v + a$ and $\text{Cov}(X_i, X_j) = a$.

[8/12/2010] On card 326B, replace “unbiased sample standard deviation” with “square root of the unbiased sample variance”.