

Errata for the ASM Study Manual for Exam P, Twelfth Edition
By Dr. Krzysztof M. Ostaszewski, FSA, CERA, FSAS, CFA, MAAA
Web site: <http://www.krzysio.net>
E-mail: krzysio@krzysio.net

Posted July 28, 2010

The first line of the first formula in the solution of Problem 13 in Practice Examination 20 has a typo in the denominator, it should say $>$ instead of $<$.

Posted July 24, 2010

In the solution of Problem 21 in Practice Examination 6, the statement under the first expression on the right-hand side of the third to last formula should be:

number of ways to pick ordered samples of size 2 from population of size n

 instead of

number of ways to pick ordered samples of size $n-2$ from population of size n

Posted July 17, 2010

Practice Examinations: An Introduction on page 109, the third sentence of the last section should be:

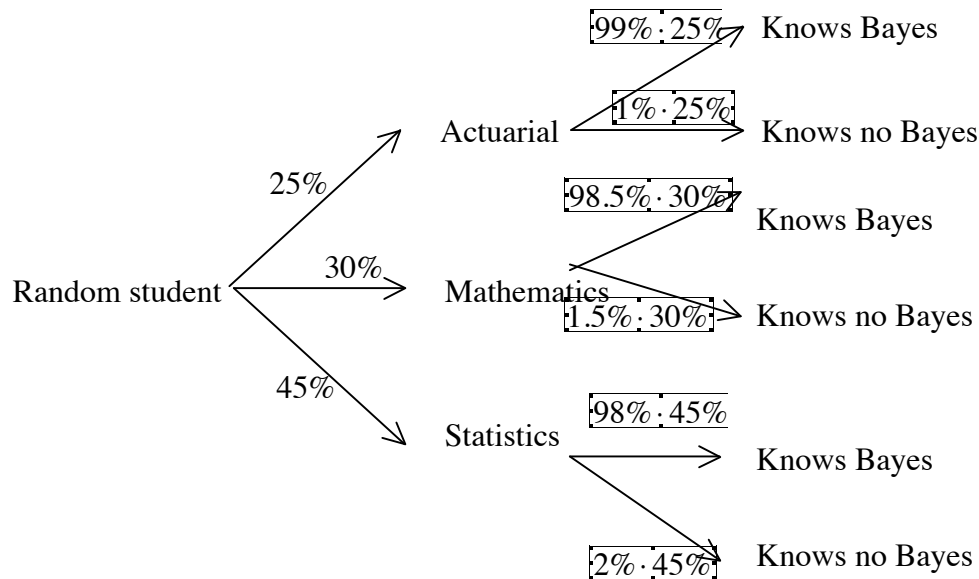
Practice examinations 6-20 are meant to be more challenging.

Posted July 3, 2010

In the solution of Problem 1, Practice Examination 5, at the end of the first part of the fourth sentence of the solution, $5/6$ is a typo, it should be $5/36$, as used in the formula for $\Pr(Y = 6)$.

Posted June 9, 2010

In the alternative solution of Problem 28, Practice Examination 11, the probability tree diagram should be:



Some numbers in the diagram were mistyped.

Posted February 25, 2010

In Problem 9, Practice Examination 20, answer D should be 0.6140, and the third to last formula should be:

$$\begin{aligned} \Pr(A^c \cap B^c \cap C \cap D^c) &= \Pr(A^c) \cdot \Pr(B^c) \cdot \Pr(C) \cdot \Pr(D^c) = \\ &= (1 - \Pr(A)) \cdot (1 - \Pr(B)) \cdot \Pr(C) \cdot (1 - \Pr(D)) = 0.4 \cdot 0.5 \cdot 0.4 \cdot 0.7 = 0.056, \end{aligned}$$

while the last formula should be:

$$1 - (0.084 + 0.126 + 0.084 + 0.056 + 0.036) = 0.614.$$

Posted January 15, 2010

The last formula in the first sentence of Problem 9 in Practice Examination 20 should be $\Pr(D) = 0.3$, not $\Pr(A) = 0.3$.

Posted January 5, 2010

In the description of the gamma distribution in Section 2, the condition for the range of its MGF should be $t < \beta$, not $0 < t < \beta$.

Posted January 1, 2010

The Course P/1 syllabus updated for 2010 no longer contains direct references to chi-square, beta, Pareto, Weibull, and lognormal distributions. My interpretation of this change is that you do not need to memorize the details of chi-square, beta, Pareto and Weibull distributions, but you still should familiarize yourself with

them. Since lognormal has a direct connection to normal, I think you should know that connection.

Posted November 20, 2009

Answers A and B in Problem 10, Practice Examination 9, have the symbol τ mistyped as r in the numerator, and they should be:

$$A. f_Y(y) = \frac{\tau \theta y^{\tau-1}}{(y + \theta)^{\tau+1}} \quad B. f_Y(y) = \frac{\alpha \theta^\alpha \tau y^{\tau-1}}{(y^\tau + \theta)^{\alpha+1}}$$

Posted November 17, 2009

In Problem 17 in Practice Examination 14, answer choice A should be

$$f_Y(y) = \begin{cases} 0 & y < 0, \\ e^{1-e^2} (e^{ey} + e^{-ey}) & 0 < y < e, \\ e^{1-e^2} \cdot e^{-ey} & y \geq e. \end{cases}$$

and answer choice D should be:

$$f_Y(y) = \begin{cases} 0 & y < 0, \\ e^{e^2-1} (e^{ey} + e^{-ey}) & 0 < y < e, \\ e^{e^2-1} \cdot e^{-ey} & y \geq e. \end{cases}$$

The last sentence of the solution should be:

Therefore, we can take

$$f_Y(y) = \begin{cases} 0 & y < 0, \\ e^{1-e^2} (e^{ey} + e^{-ey}) & 0 < y < e, \\ e^{1-e^2} \cdot e^{-ey} & y \geq e. \end{cases}$$