

There have been a few changes to the syllabus for the October 2013 exam. I have posted a free supplement on my webpage www.howardmahler.com/Teaching It covers all of the changes.

I have included a discussion of each of the new topics, as well as problems to do. At the end of the supplement are a new Practice Exam and new Seminar Style Slides, covering the new material.

Exam #4, Q.7, reword: Using the Nelson-Aalen estimator, calculate a 90% linear confidence interval for $H(4)$ and then determine the corresponding confidence interval for the survival function $S(4)$.

Exam #9, sol. 31: upper limit should be 0.07: $-13.68 e^{-4\lambda} \Big|_{\lambda=0.03}^{\lambda=0.07} / 4 = 44.8\%$.

Exam #9, Q.34 & Q.35: Remove the second set of observations for policies 21 and 22.

21	73.0	73.4	d
22	73.0	73.8	ℓ
23-40	73.0	75.0	e

Exam #10, solution 4: Similar to Q. 2.72 (4, 5/05, Q.14 & 2009 Sample Q.184)

Exam #12, solution 10: Similar to Q. 8.10.

Exam #14, solution 17: The chance of the observation is: **f(8) f(19) f(22) f(36) f(64)**.
The final solution is correct.

Exam #15, Q.26: we don't need % signs for answer choices C and D.

Exam #15, solution 5: The **chance** of the observation given λ is:

Exam #16, Q. 27: Using the inversion method, simulate the ratio of **ALAE to loss**.

Exam #16, solution 9, line 3: Matching first moments: $5 a / (a+b) = 2.3$.
The final solution is correct.

Exam #16, solution 21: $(x - 500) / (1000 - 500) = (50\% - 40\%) / (70\% - 40\%)$.
The final solution is correct.