Errors in the Course Notes

March 25, 2014

This document presents corrections to errors that appear in some versions of the Course Notes. If you find other errors, please contact me.

This is a little confusing. The errors corrected below appear in the version of the Course Notes that is on Learn@UW. Thus, if you read the Course Notes on Learn@UW, then you might want to keep this sheet handy. (I say might want to because none of these errors is major.)

The Course Notes also appear on our course webpage, connected to my webpage and located at:


If you printed these Course Notes before January 15, 2014, the errors below are in your printed copy.

The corrections listed below have been made on the current course webpage version of the Course Notes.

Note that I found no errors in Chapters 3, 4, 19 and 20. At the other extreme, I uploaded onto Learn new versions of Chapters 7, 14 and 17. My corrections in these latter three chapters were not really extreme, but because they created new page breaks etc., I decided it would be better simply to upload newer versions. But note that after I had the new Chapter 14 uploaded on Learn, I found another error! (Sorry.) It appears below in item 22.

1. Chapter 1, page 15, two lines above item 1: Change ‘the the’ to ‘the.’

2. Chapter 1, page 16, item 3: Change ‘freeware’ to ‘open-source software.’

3. Chapter 2, page 51, lines 1 and 2 from the bottom: The density of the interval is \(0.10/2 = 0.05\).

4. Chapter 2, page 52: In Figure 2.10, the two largest class boundaries were incorrectly typed as 43 and 46; the correct values are 41 and 44.

5. Chapter 5, page 103, line 8 from the bottom: The inequality is typed as \(b < 0.5\); the correct inequality is \(b \leq 0.5\).

6. Chapter 5, page 103, line 7 from the bottom: The inequality is typed as \(c < 0.5\); the correct inequality is \(c \leq 0.5\).
7. **Chapter 6, page 121:** Not actually an error. After typing $\rho_1$ I now mention that the Greek letter is pronounced as ‘roh.’

8. **Chapter 6, page 126, lines 6 and 7:** I had written:

Recall from above that Kymn’s actual data, $r_1 = 40$.

This should read:

It can be shown that for Kymn’s actual data, $r_1 = 40$.

9. **Chapter 7:** This chapter has been updated on Learn.

10. **Chapter 8, page 177, line 4 from the bottom:** At the right end of the string of equalities, the last symbol, ‘$c$’, should be ‘27.’

11. **Chapter 8, page 192:** In homework problem 4, delete part (b).

12. **Chapter 9, page 205, line 7 from bottom:** ‘There boundaries’ should be ‘Their boundaries.’

13. **Chapter 10, page 239, line 6:** Insert the word ‘in’ before ‘1983.’

14. **Chapter 10, page 239, line 7:** Delete the word ‘I’ after ‘eventually.’

15. **Chapter 10, page 239, line 9:** Change ‘sample’ to ‘samples.’

16. **Chapter 10, page 240, lines 13–14:** Change ‘perfect to a mathematical statisticia to a mathematical statistician’ to ‘perfect to a statistician.’

17. **Chapter 10, page 246, line 5 from the bottom:** Change ‘$(X_1 = 3)$’ to ‘$P(X_1 = 3)$.’

18. **Chapter 11:** This chapter has been updated on Learn.

19. **Chapter 12, page 304, line 12:** Change ‘affect’ to ‘effect.’

20. **Chapter 13, page 327, line 5:** Replace weakness to with weakness of.

21. **Chapter 14:** The chapter has been updated on Learn. After this update, I found the error listed next.

22. **Chapter 14, page 351, line 5 of problem 3:** Change 2004 to 2005. Because there is no data for 2004 nearly all former students figured out this error on their own; hence, I didn’t realize it needed to be changed. Sorry.

23. **Chapter 15, page 356, Table 15.3:** Change the caption to:

Data from the modified study of Crohn’s disease.

24. **Chapter 16, page 392, line 3 in item 1:** Delete ‘by adding.’
25. **Chapter 16, page 392, line 4 in item 1:** Change ‘adding’ to ‘addition and subtraction.’

26. **Chapter 16, page 404, line 4:** Add ‘mean that’ after ‘not.’

27. **Chapter 16, page 415, line 3 from the bottom:** Add ‘approximation’ after ‘curve.’

28. **Chapter 17:** This chapter has been updated on Learn.

29. **Chapter 18, page 470, Equation 18.2:** End this display with a period instead of a semicolon.

30. **Chapter 18, page 479, Table 18.3:** Change ‘Sorted’ to ‘sorted’ in the caption.

31. **Chapter 18, page 481, line 12:** The last entry in this display should be ‘9, 4, 2’ instead of repeating ‘9, 2, 4.’

32. **Chapter 18, page 490, line 2 from the bottom:** Display the formula $1 - \frac{2k}{(n + 1)}$ as

   $$1 - \frac{2k}{(n + 1)}.$$

   **Reason:** On the Fall, 2013, final exam a number of students evaluated the formula as if it was:

   $$\frac{1 - 2k}{n + 1},$$

   giving a negative number for a probability! They seemed to have forgotten that multiplication and division are performed before addition and subtraction.

33. **Chapter 21, page 563, line 19 from the bottom:** Change:

   if the *tall line* keeps getting shorter and the *short line* keeps getting taller,

   to:

   if tall fathers beget shorter sons and short fathers beget taller sons,

34. **Chapter 21, page 567, line 8 from the bottom:** Close the parentheses at the end of the sentence that begins “Recall that.”

35. **Chapter 21, page 569, line 5:** Change:

   case:

   to:

   case, its predicted value:

36. **Chapter 22, page 599, line 3 in item 6:** Change ‘statement’ to ‘statements’.