

# List of *M.Phil.* Thesis Corrections

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1. The first three paragraphs (pages 7-8) are new (the more gradual introduction requested as correction 4). Paragraph 3 of the intro (the first complete paragraph on page 2) is partly new and partly old.
2. The first two complete paragraphs on page 9 were added to address the non-standard use of “identical by descent” (see correction 2)
3. Figure 1 on page 10 was converted to a higher quality .png graphic (correction 8)
4. In the first complete paragraph of page 13, two long lists of references were pruned down. Two more long reference lists were pruned in the paragraph that starts on page 13 and finishes on page 14 (correction 1)
5. Figure 2 on page 18 was converted to a higher quality .png graphic (correction 8)
6. Subsection 2.2 on page 19 was added to address the issue of non-uniform recombination (correction 5)
7. New figures were added on pages 25 and 30 in improve the clarity of the diploid theory section. In addition, page 28 consists mostly of new exposition of my coalescent approximation.
8. Figure 8 on page 34 was converted to a higher quality .png graphic (correction 8)
9. The paragraph beginning on page 35 and ending on page 36 was added to address the relationship of this theory to imputation as performed today (correction 7)

10. Figures 9-11 on page 40-42 were converted to higher quality .png graphics (correction 8)
11. Spelling of “independently” corrected on page 43, paragraph 1 (correction 6)
12. Long list of references pruned on page 43, paragraph 1, (correction 1)
13. In order to address correction 9, it was necessary to substantially rewrite section 7 (pages 44-55). Instead of an ad hoc procedure for estimating demographic parameters, I used a Monte Carlo Markov Chain method to find them.