Turn in your homework in lecture or in your TA’s mailbox by 4pm on Thursday March 29\textsuperscript{th}. Make sure you write your name and your discussion section. **Show your work** for full credit. For every hypothesis test, include a clear statement of your null and alternative hypotheses and a clear conclusion.

0. Draft 5 is due **Thursday March 29\textsuperscript{th}** (not T 3/27).

1. Problem 18 on page 353 (Chapter 13), but do **not** do (c). For (b), carry out 2 different appropriate hypothesis tests (there are indeed 2 methods that are both appropriate for these data). The data set is rather small, so perform the calculations both by hand and using R. You may use R to calculate data transformations, means, standard deviations, etc.

2. Problems 20 and 22 on page 387-388 (Chapter 14).

3. Problem 11 on page 227 (Chapter 9). Replace (b) by this question: Calculate a 95% confidence interval for the difference in the probability of complete cure between the 2 treatments.

4. Problems 15 on page 228.

**Readings:** Chapter 13, chapter 14, and chapter 9. We will **not** cover 9.2 (odds ratio), 9.4 (G-tests) and 9.5 (Fisher’s exact test), but we will cover confidence intervals for the difference between 2 proportions (not in textbook), Interleaf 5, and finally Interleaf 7 continues to be interesting as we continue to learn more methods.