

BIOS 625: Categorical Data Analysis & Generalized Linear Models
Spring 2018
Homework Set 1

INSTRUCTIONS:

Complete with legible handwriting, or use a mathematical editor (like MS Word, \LaTeX). Combination of the two is also OK. Agresti refers to the textbook [3rd edition].

DUE DATE: 02/06/18

PROBLEMS:

1. Agresti 1.1
2. Agresti 1.2
3. Agresti 1.4
4. Agresti 1.5
5. Agresti 1.6
6. Agresti 1.7
7. Agresti 1.9
8. A sample of 100 women suffer from dysmenorrhea. A new analgesic is claimed to provide greater relief than the standard one. After using each analgesic in a crossover experiment, 40 reported greater relief with the standard analgesic and 60 reported greater relief with the new one. Analyze the data [Do a testing of hypothesis].
9. Agresti 1.17
10. Agresti 1.29