BIOS 625: Categorical Data Analysis & Generalized Linear Models
Spring 2018
Homework Set 3

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: 02/23/2018

PROBLEMS:

1. Agresti 2.20
2. Agresti 2.24
3. Agresti 3.11
4. Agresti 3.12
5. Agresti 3.16
6. Agresti 3.19: Sample SAS code looks like

   ```
   data table;
   input lead$ malformation$ count @@;
   datalines;
   no yes 7 no no 18
   yes yes 7 yes no 7
   ;
   proc freq order=data; weight count;
   tables lead*malformation;
   exact fisher;
   run;
   ```

   Try to figure out the correct p-value.
7. Agresti 3.26
8. Agresti 3.34