

BMTRY 711 Analysis of Categorical Data
Spring 2011
Assignment 1

INSTRUCTIONS:

Complete with legible handwriting/mathematical editor. Combination of the two is also OK.

DUE DATE: 1/21/11 in my mailbox located at DBE (by 5.00 PM)

PROBLEMS:

1. Prove that the mean and the variance of a random variable $Y \sim \text{Poisson}(\mu)$ are equal.
2. Agresti 1.1
3. Agresti 1.2
4. Agresti 1.5
5. Agresti 1.6
6. Agresti 1.10
7. Agresti 1.11
8. Agresti 1.12
9. Agresti 1.13
10. Agresti 1.15