

Biostat 578A: Evaluating Vaccine Efficacy

Questions for Readings 5

Due Thursday February 9

Assignment: Answer one of the following questions.

1. Frangakis and Rubin (2002): What is the basic problem (according to Frangakis and Rubin) with the Prentice criterion as a measure of the validity of a surrogate endpoint?
2. Gilbert, Self, and Ashby (1998): Consider the 4 assumptions listed in this article that are needed for the regression parameters of the multinomial logistic regression model to have an interpretation in terms of strain-specific vaccine efficacy. For each assumption, critique how likely it is that it held for the Vax004 HIV vaccine efficacy trial.