Biostat 578A: Evaluating Vaccine Efficacy

Exercise 1: Graphical Analysis of the Vax004 Data

Due Tuesday January 24

The data are available at http://faculty.washington.edu/peterg/Vaccine2006.html

1. Create plots that inform about the effect of vaccination on the rate of HIV infection. [Suggest 1-2 plots]

2. Create plots that inform about the effect of vaccination on the time from HIV infection diagnosis to the inititation of antiretroviral therapy (ART). [Suggest 1-2 plots]

3. Create plots that inform about the effect of vaccination on viral loads over time that are measured prior to the initiation of ART. [Suggest 1-2 plots]

4. Based on these preliminary analyses, write bullet points summarizing the apparent vaccine effects.