Short Dose response explorer (DRE) guide

Features

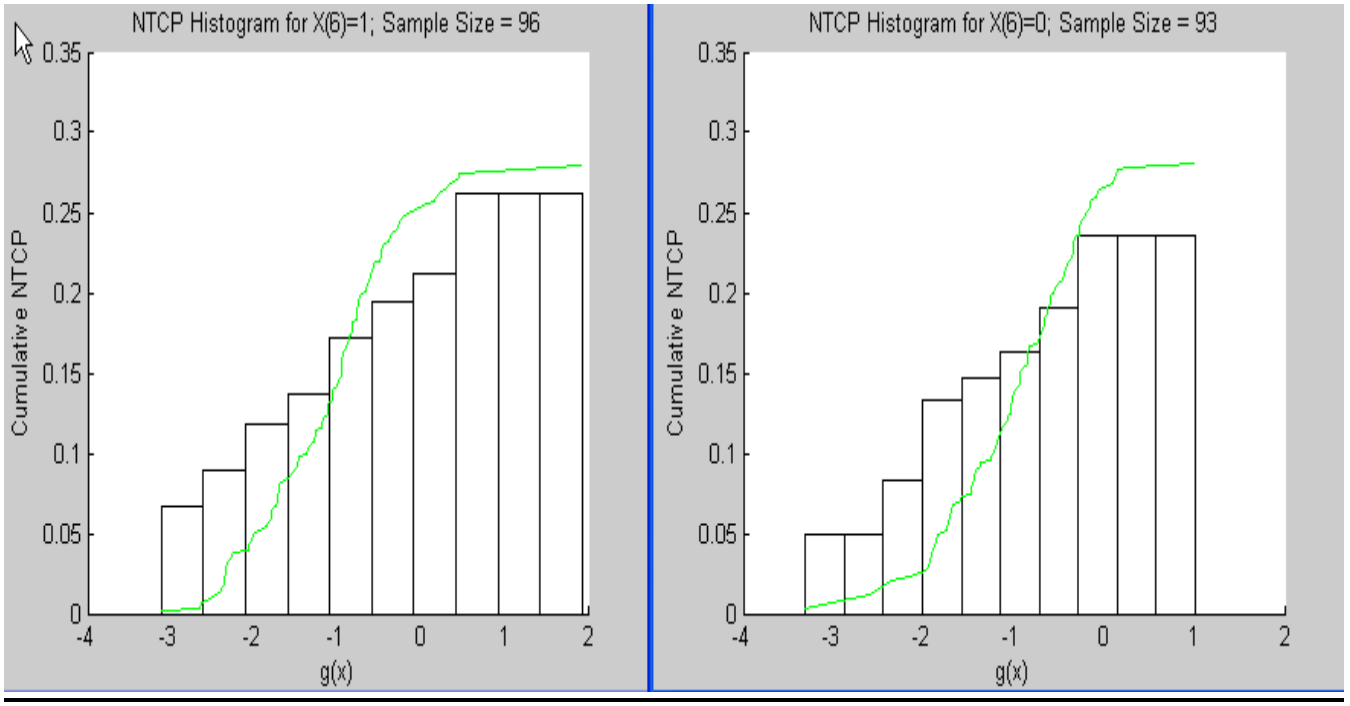
1. Selection of variables in two factor groups
    - Allows user to see a combination of variables on either/both X-axis or Y-axis. Note: Multiple values for V(x) and D(x) can be selected
    - Does not allow Variables to be selected twice

2. Logistic Regression Model is applied
    - Coefficient values (B) and their significance (p-values based on Wald statistics) are computed for each variable
    - Sample size (n) and Spearman rank correlation are provided

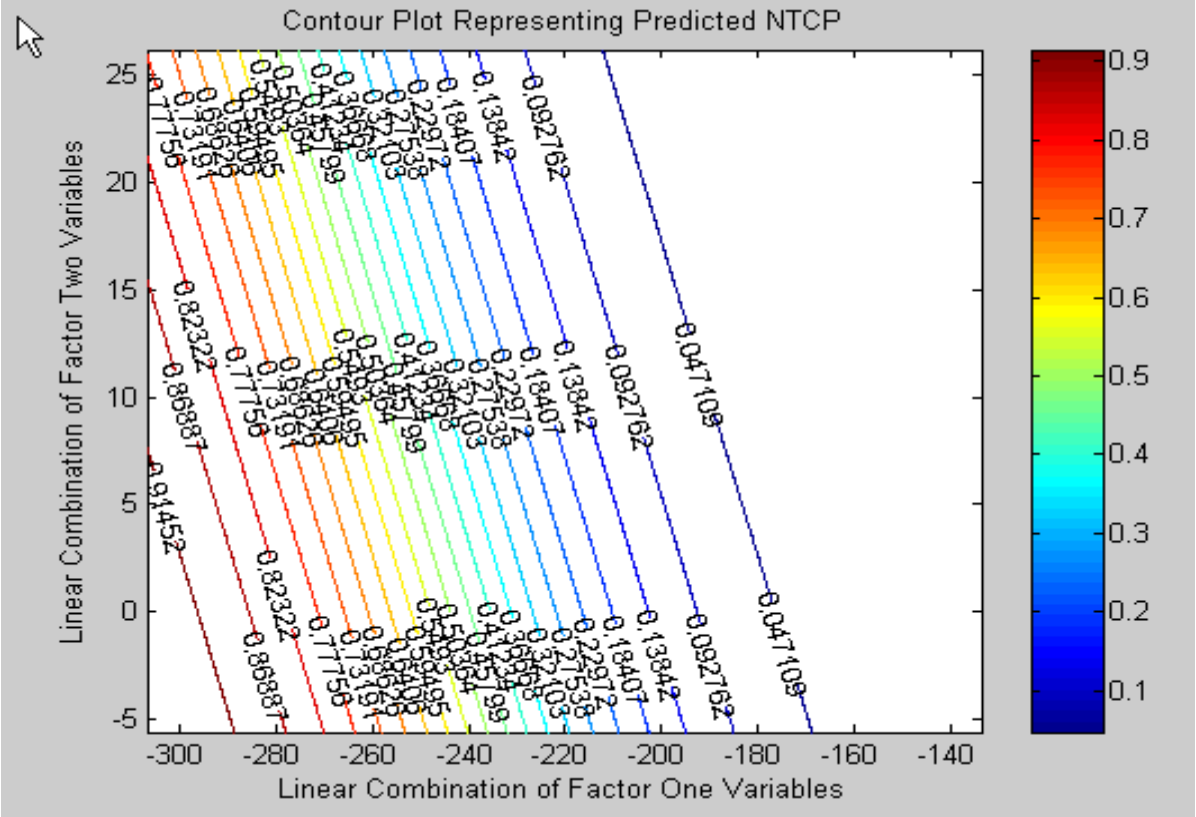
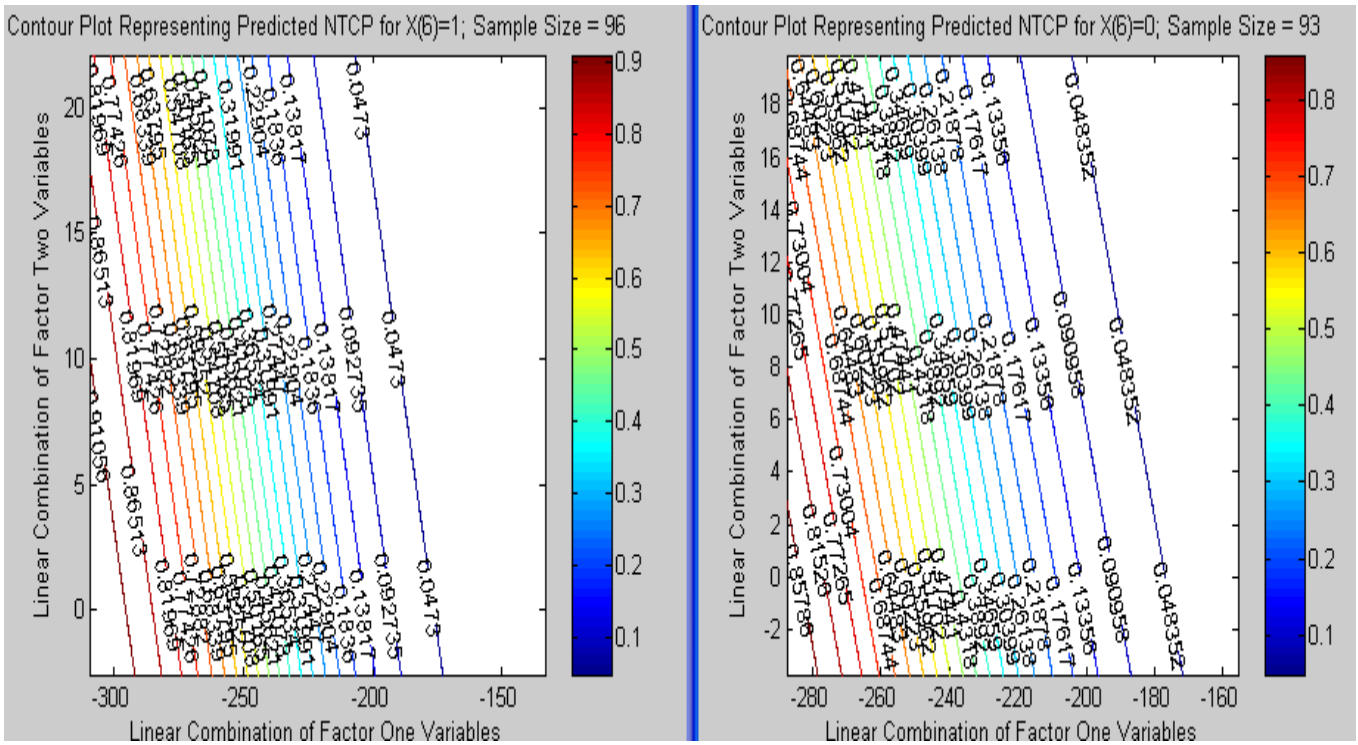
3. Graphical Capabilities
    - Default graph is histogram of cumulative Observed Probability (bar graph) and predicted cumulative NTCP (solid line)
    - Contour plot of predicted NTCP versus selected variables
    - Histogram and Contour plot options are available for binary variables as well

Examples

1. Histogram – Observed vs. Predicted Cumulative NTCP for Binary Variable



2. Contour Plot – Predicted NTCP



3. Contour Plots –Predicted NTCP for Binary Variable