

%PurposefulSelection



%ScanVar



%UniFit

PROC LOGISTIC: fit univariate model with each variable.
Create data set with covariates where $p < \&PVALUEI$.



%MVFit

Loop A

PROC LOGISTIC: fit multivariate model.



Loop B

Identify max p-value.
Is max $p < \&PVALUER$?

NO

Remove variable.
PROC LOGISTIC: fit reduced model

Identify max $\Delta\beta$.
Is max $\Delta\beta > \&CHBETA$?

YES

Keep variable.
Evaluate next variable.

NO

Delete variable.

YES

PROC LOGISTIC: test associations with each variable originally not selected (include preliminary model variables).

Reduce the model using A and B.

FINAL MAIN EFFECTS MODEL

