/\*Example of Coding Technique Previously Written for data analysis while at\*/ /\*Georgia State University. Logistic regression analysis of HIV data from\*/ /\*colleague’s original research. \*/

/\*Coded by Morgan Smith on SAS 9.4 and subsequently compiled on 04/24/19\*/

%let nummod = 29 ;

%let v1=SexPref ;

%let v2=Current\_abscess ;

%let v3=v12mths\_abscess ;

%let v4=Hands\_on\_job ;

%let v5=Hospitalized ;

%let v6=Isolation ;

%let v7=Prophy ;

%let v8=SexActive ;

%let v9=street\_drugs ;

%let v10=Heroin ;

%let v11=Cocaine ;

%let v12=Prescription\_pain ;

%let v13=Benxo ;

%let v14=ETOH ;

%let v15=MJ ;

%let v16=Methadone ;

%let v17=v\_\_personal\_arrests ;

%let v18=Arrested ;

%let v19=incarceration\_length ;

%let v20=Skin\_inf\_arrest ;

%let v21=Cell\_inf\_arrest ;

%let v22=Weight\_arrest ;

%let v23=Work\_arrest ;

%let v24=Sick\_call ;

%let v25=Shower\_arrest ;

%let v26=Health\_status ;

%let v27=viral\_loadnum ;

%let v28=CD4num ;

%let v29=Nadirnum ;

**%macro** ***models*** ;

%do i=**1** %to &nummod ;

data temp ;

set mrsa ;

if &&v&i = **.** then delete ;

proc logistic data=temp ;

class race education hospitalized Isolation Prophy Prescription\_pain Benxo ETOH MJ Methadone

v\_\_personal\_arrests Arrested incarceration\_length weight\_arrest work\_arrest

sick\_call shower\_arrest health\_status Nadir Viral\_load Sexpref ;

model MRSA\_Result = sex agec race education CD4num Viral\_loadnum Sexpref &&v&i ;

run ;

%end ;

**%mend** ;

%***models*** ;