/\* Import data \*/

filename stroke '/folders/myfolders/table11\_1.csv';

proc import datafile=stroke dbms=csv out=stroke;

getnames=yes;

run;

proc contents data=stroke; run;

/\* Wide to long format \*/

data stroke;

keep id group time fas;

set stroke;

time=1; fas=week1; output;

time=2; fas=week2; output;

time=3; fas=week3; output;

time=4; fas=week4; output;

time=5; fas=week5; output;

time=6; fas=week6; output;

time=7; fas=week7; output;

time=8; fas=week8; output;

proc print data=stroke(obs=16); run;

/\* Model 1: random intercept \*/

proc glimmix data=stroke;

class id;

model fas=time / dist=normal covb solution;

random int / subject=id g v vcorr solution;

run;

proc glimmix data=stroke;

class id;

model fas=time / dist=normal covb solution;

random int / subject=id g v vcorr solution;

output out=tmp

pred(noblup noilink)=etafixed pred(blup noilink)=eta

pred(noblup ilink)=fitfixed pred(blup ilink)=fit;

run;

proc print data=tmp(obs=16); run;

/\* Model 2: random intercept and slope (independent) \*/

proc glimmix data=stroke;

class id;

model fas=time / dist=normal covb solution;

random int time / subject=id g v vcorr solution;

run;

/\* Model 3: random intercept and slope (correlated) \*/

proc glimmix data=stroke;

class id;

model fas=time / dist=normal covb solution;

random int time / subject=id type=un g v vcorr solution;

run;