libname oldlib"C:\Users\fanya\Desktop\tool books\PRACTICUM\together";

libname newlib"C:\Users\fanya\Desktop\ADA homework";

**data** newlib.nhanes0910;

merge oldlib.demo\_f oldlib.diq\_f oldlib.fsq\_f oldlib.inq\_f;

by seqn;

**run**;

**data** newlib.nhanes1112;

merge oldlib.demo\_g oldlib.diq\_g oldlib.fsq\_g oldlib.inq\_g;

by seqn;

**run**;

**data** newlib.nhanes1314;

merge oldlib.demo\_h oldlib.diq\_h oldlib.fsq\_h oldlib.inq\_h;

by seqn;

**run**;

**data** newlib.nhanes1516;

merge oldlib.demo\_i oldlib.diq\_i oldlib.fsq\_i oldlib.inq\_i;

by seqn;

**run**;

**data** newlib.all0916;

merge newlib.nhanes0910 newlib.nhanes1112 newlib.nhanes1314 newlib.nhanes1516;

by seqn;

**run**;

**data** work.diabetes;

set newlib.all0916;

if diq010 in (**7**,**9**,**.**) then delete;

else if diq010 =**2** then diabetes=**0**;

else diabetes=**1**;

**proc** **freq**;

tables diq010\*diabetes/list;

**run**;

**data** work.fdsec;

set work.diabetes;

if fsd032a in (**7**,**9**,**.**) or fsd032b in (**7**,**9**,**.**) or fsd032c in (**7**,**9**,**.**) then delete;

else if fsd032a = **1** and fsd032b = **1** and fsd032c = **1** then fdsec=**2**;

else if fsd032a = **3** and fsd032b = **3** and fsd032c = **3** then fdsec=**0**;

else fdsec=**1**;

**proc** **freq**;

tables fdsec\*fsd032a\*fsd032b\*fsd032c/list;

**run**;

**data** work.famp;

set work.fdsec;

if indfmmpc in (**7**,**9**,**.**) then delete;

else if indfmmpc =**1** then famp=**0**;

else if indfmmpc =**2** then famp=**1**;

else famp=**2**;

**proc** **freq**;

tables famp\*indfmmpc/list;

**run**;

**data** work.edu;

set work.famp;

if dmdeduc2 in(**7**,**9**,**0**) then delete;

else if dmdeduc2 in (**1**,**2**) then edu=**0**;

else if dmdeduc2=**3** then edu=**1**;

else if dmdeduc2=**4** then edu=**2**;

else if dmdeduc2=**5** then edu=**3**;

**proc** **freq**;

tables edu\*dmdeduc2/list;

**run**;

**data** work.age;

set work.edu;

if ridageyr =**.** or ridageyr le **20** or ridageyr gt **59** then delete;

else if ridageyr gt **20** and ridageyr le **29** then age=**0**;

else if ridageyr ge **30** and ridageyr le **39** then age=**1**;

else if ridageyr ge **40** and ridageyr le **49** then age=**2**;

else age=**3**;

**proc** **freq**;

tables ridageyr\*age/list;

**run**;

**data** newlib.final;

set work.age (keep =age edu famp fdsec diabetes) ;

**proc** **logistic**;

class diabetes fdsec age edu famp;

model diabetes =fdsec age edu famp;

**run**;

**proc** **export** data=newlib.final outfile="C:\Users\fanya\Desktop\ADA homework\final.csv" dbms=csv replace;

putnames=yes;

**run**;