**data** traj\_term;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

**drop** gest\_interval\_M1\_M5 gest\_interval\_M6 gest\_interval\_M7 gest\_interval\_M8 gest\_interval\_M9;

**run**;

**data** traj\_term;

set traj\_term;

gest\_interval\_M6=**1**;

gest\_interval\_M7=**2**;

gest\_interval\_M8=**3**;

gest\_interval\_M9=**4**;

**run**;

data "P:\Straub, Loreen\summer student\datasets\traj\_term";

set traj\_term;

run;

**data** traj\_term;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

**run;**

\*\*\* groups\_5\_anyAHT \*\*\*;

**proc** **traj** data=traj\_term

outplot=op\_groups\_5\_anyAHT

outstat=os\_groups\_5\_anyAHT

out=of\_groups\_5\_anyAHT

outest=oe\_groups\_5\_anyAHT

ITDETAIL;

id Patient\_Id;

Var

AnyAHT\_PDC\_Preg\_M6

AnyAHT\_PDC\_Preg\_M7

AnyAHT\_PDC\_Preg\_M8

AnyAHT\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **5**;

order **3** **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_5\_anyAHT.csv";

**proc** **print** data=op\_groups\_5\_anyAHT noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_5\_anyAHT;

SET of\_groups\_5\_anyAHT;

**RUN**;

**proc** **sort** data=groups\_5\_anyAHT;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_5\_anyAHT.csv";

**proc** **means** data=groups\_5\_anyAHT mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB GRP5PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_5\_anyAHT";

SET groups\_5\_anyAHT;

**RUN**;

\* calculate number of women in each group;

**data** groups\_5\_anyAHT;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_anyAHT";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_5\_anyAHT.csv";

**proc** **freq** data= groups\_5\_anyAHT;

table GROUP /nopercent nocol norow;

title "groups\_5\_anyAHT";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_5\_anyAHT WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_5\_anyAHT;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_anyAHT";

**RUN**;

**data** groups\_5\_anyAHT\_cut;

set groups\_5\_anyAHT;

drop

AnyAHT\_PDC\_preg\_M6

AnyAHT\_PDC\_preg\_M7

AnyAHT\_PDC\_preg\_M8

AnyAHT\_PDC\_preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_5\_anyAHT\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_5\_anyAHT;

merge traj\_term (in=intraj\_term) groups\_5\_anyAHT\_cut (in=ingroups\_5\_anyAHT\_cut);

by Patient\_Id;

if intraj\_term and ingroups\_5\_anyAHT\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_anyAHT";

set traj\_merged\_groups\_5\_anyAHT;

**run**;

**data** traj\_merged\_groups\_5\_anyAHT;

set traj\_merged\_groups\_5\_anyAHT;

**run**;

**proc** **export** data=traj\_merged\_groups\_5\_anyAHT

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_anyAHT.csv" dbms=csv replace;

**run**;

**data** traj\_term\_5\_met;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where MET\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_5\_met \*\*\*;

**proc** **traj** data=traj\_term\_5\_met

outplot=op\_groups\_5\_met

outstat=os\_groups\_5\_met

out=of\_groups\_5\_met

outest=oe\_groups\_5\_met

ITDETAIL;

id Patient\_Id;

Var

Methyldopa\_PDC\_Preg\_M6

Methyldopa\_PDC\_Preg\_M7

Methyldopa\_PDC\_Preg\_M8

Methyldopa\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **5**;

order **3** **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_5\_met.csv";

**proc** **print** data=op\_groups\_5\_met noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_5\_met;

SET of\_groups\_5\_met;

**RUN**;

**proc** **sort** data=groups\_5\_met;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_5\_met.csv";

**proc** **means** data=groups\_5\_met mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB GRP5PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_5\_met";

SET groups\_5\_met;

**RUN**;

\* calculate number of women in each group;

**data** groups\_5\_met;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_met";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_5\_met.csv";

**proc** **freq** data= groups\_5\_met;

table GROUP /nopercent nocol norow;

title "groups\_5\_met";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_5\_met WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_5\_met;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_met";

**RUN**;

**data** groups\_5\_met\_cut;

set groups\_5\_met;

drop

Methyldopa\_PDC\_Preg\_M6

Methyldopa\_PDC\_Preg\_M7

Methyldopa\_PDC\_Preg\_M8

Methyldopa\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_5\_met\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_5\_met;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_5\_met;

merge traj\_term\_5\_met (in=intraj\_term\_5\_met) groups\_5\_met\_cut (in=ingroups\_5\_met\_cut);

by Patient\_Id;

if intraj\_term\_5\_met and ingroups\_5\_met\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_met";

set traj\_merged\_groups\_5\_met;

**run**;

**data** traj\_merged\_groups\_5\_met;

set traj\_merged\_groups\_5\_met;

**run**;

**proc** **export** data=traj\_merged\_groups\_5\_met

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_met.csv" dbms=csv replace;

**run**;

**data** traj\_term\_5\_lab;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where LAB\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_5\_lab \*\*\*;

**proc** **traj** data=traj\_term\_5\_lab

outplot=op\_groups\_5\_lab

outstat=os\_groups\_5\_lab

out=of\_groups\_5\_lab

outest=oe\_groups\_5\_lab

ITDETAIL;

id Patient\_Id;

Var

Labetalol\_PDC\_Preg\_M6

Labetalol\_PDC\_Preg\_M7

Labetalol\_PDC\_Preg\_M8

Labetalol\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **5**;

order **3** **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_5\_lab.csv";

**proc** **print** data=op\_groups\_5\_lab noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_5\_lab;

SET of\_groups\_5\_lab;

**RUN**;

**proc** **sort** data=groups\_5\_lab;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_5\_lab.csv";

**proc** **means** data=groups\_5\_lab mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB GRP5PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_5\_lab";

SET groups\_5\_lab;

**RUN**;

\* calculate number of women in each group;

**data** groups\_5\_lab;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_lab";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_5\_lab.csv";

**proc** **freq** data= groups\_5\_lab;

table GROUP /nopercent nocol norow;

title "groups\_5\_lab";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_5\_lab WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_5\_lab;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_lab";

**RUN**;

**data** groups\_5\_lab\_cut;

set groups\_5\_lab;

drop

Labetalol\_PDC\_Preg\_M6

Labetalol\_PDC\_Preg\_M7

Labetalol\_PDC\_Preg\_M8

Labetalol\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_5\_lab\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_5\_lab;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_5\_lab;

merge traj\_term\_5\_lab (in=intraj\_term\_5\_lab) groups\_5\_lab\_cut (in=ingroups\_5\_lab\_cut);

by Patient\_Id;

if intraj\_term\_5\_lab and ingroups\_5\_lab\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_lab";

set traj\_merged\_groups\_5\_lab;

**run**;

**data** traj\_merged\_groups\_5\_lab;

set traj\_merged\_groups\_5\_lab;

**run**;

**proc** **export** data=traj\_merged\_groups\_5\_lab

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_lab.csv" dbms=csv replace;

**run**;

**data** traj\_term\_5\_metlab;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where MET\_LAB\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_5\_metlab \*\*\*;

**proc** **traj** data=traj\_term\_5\_metlab

outplot=op\_groups\_5\_metlab

outstat=os\_groups\_5\_metlab

out=of\_groups\_5\_metlab

outest=oe\_groups\_5\_metlab

ITDETAIL;

id Patient\_Id;

Var

Methy\_Labe\_PDC\_Preg\_M6

Methy\_Labe\_PDC\_Preg\_M7

Methy\_Labe\_PDC\_Preg\_M8

Methy\_Labe\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **5**;

order **3** **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_5\_metlab.csv";

**proc** **print** data=op\_groups\_5\_metlab noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_5\_metlab;

SET of\_groups\_5\_metlab;

**RUN**;

**proc** **sort** data=groups\_5\_metlab;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_5\_metlab.csv";

**proc** **means** data=groups\_5\_metlab mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB GRP5PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_5\_metlab";

SET groups\_5\_metlab;

**RUN**;

\* calculate number of women in each group;

**data** groups\_5\_metlab;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_metlab";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_5\_metlab.csv";

**proc** **freq** data= groups\_5\_metlab;

table GROUP /nopercent nocol norow;

title "groups\_5\_metlab";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_5\_metlab WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_5\_metlab;

set "P:\Straub, Loreen\summer student\datasets\groups\_5\_metlab";

**RUN**;

**data** groups\_5\_metlab\_cut;

set groups\_5\_metlab;

drop

Methy\_Labe\_PDC\_Preg\_M6

Methy\_Labe\_PDC\_Preg\_M7

Methy\_Labe\_PDC\_Preg\_M8

Methy\_Labe\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_5\_metlab\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_5\_metlab;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_5\_metlab;

merge traj\_term\_5\_metlab (in=intraj\_term\_5\_metlab) groups\_5\_metlab\_cut (in=ingroups\_5\_metlab\_cut);

by Patient\_Id;

if intraj\_term\_5\_metlab and ingroups\_5\_metlab\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_metlab";

set traj\_merged\_groups\_5\_metlab;

**run**;

**data** traj\_merged\_groups\_5\_metlab;

set traj\_merged\_groups\_5\_metlab;

**run**;

**proc** **export** data=traj\_merged\_groups\_5\_metlab

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_5\_metlab.csv" dbms=csv replace;

**run**;

**data** traj\_term;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

**run;**

\*\*\* groups\_4\_anyAHT \*\*\*;

**proc** **traj** data=traj\_term

outplot=op\_groups\_4\_anyAHT

outstat=os\_groups\_4\_anyAHT

out=of\_groups\_4\_anyAHT

outest=oe\_groups\_4\_anyAHT

ITDETAIL;

id Patient\_Id;

Var

AnyAHT\_PDC\_Preg\_M6

AnyAHT\_PDC\_Preg\_M7

AnyAHT\_PDC\_Preg\_M8

AnyAHT\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **4**;

order **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_4\_anyAHT.csv";

**proc** **print** data=op\_groups\_4\_anyAHT noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_4\_anyAHT;

SET of\_groups\_4\_anyAHT;

**RUN**;

**proc** **sort** data=groups\_4\_anyAHT;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_4\_anyAHT.csv";

**proc** **means** data=groups\_4\_anyAHT mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_4\_anyAHT";

SET groups\_4\_anyAHT;

**RUN**;

\* calculate number of women in each group;

**data** groups\_4\_anyAHT;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_anyAHT";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_4\_anyAHT.csv";

**proc** **freq** data= groups\_4\_anyAHT;

table GROUP /nopercent nocol norow;

title "groups\_4\_anyAHT";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_4\_anyAHT WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_4\_anyAHT;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_anyAHT";

**RUN**;

**data** groups\_4\_anyAHT\_cut;

set groups\_4\_anyAHT;

drop

AnyAHT\_PDC\_preg\_M6

AnyAHT\_PDC\_preg\_M7

AnyAHT\_PDC\_preg\_M8

AnyAHT\_PDC\_preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_4\_anyAHT\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_4\_anyAHT;

merge traj\_term (in=intraj\_term) groups\_4\_anyAHT\_cut (in=ingroups\_4\_anyAHT\_cut);

by Patient\_Id;

if intraj\_term and ingroups\_4\_anyAHT\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_anyAHT";

set traj\_merged\_groups\_4\_anyAHT;

**run**;

**data** traj\_merged\_groups\_4\_anyAHT;

set traj\_merged\_groups\_4\_anyAHT;

**run**;

**proc** **export** data=traj\_merged\_groups\_4\_anyAHT

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_anyAHT.csv" dbms=csv replace;

**run**;

**data** traj\_term\_4\_met;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where MET\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_4\_met \*\*\*;

**proc** **traj** data=traj\_term\_4\_met

outplot=op\_groups\_4\_met

outstat=os\_groups\_4\_met

out=of\_groups\_4\_met

outest=oe\_groups\_4\_met

ITDETAIL;

id Patient\_Id;

Var

Methyldopa\_PDC\_Preg\_M6

Methyldopa\_PDC\_Preg\_M7

Methyldopa\_PDC\_Preg\_M8

Methyldopa\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **4**;

order **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_4\_met.csv";

**proc** **print** data=op\_groups\_4\_met noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_4\_met;

SET of\_groups\_4\_met;

**RUN**;

**proc** **sort** data=groups\_4\_met;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_4\_met.csv";

**proc** **means** data=groups\_4\_met mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_4\_met";

SET groups\_4\_met;

**RUN**;

\* calculate number of women in each group;

**data** groups\_4\_met;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_met";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_4\_met.csv";

**proc** **freq** data= groups\_4\_met;

table GROUP /nopercent nocol norow;

title "groups\_4\_met";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_4\_met WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_4\_met;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_met";

**RUN**;

**data** groups\_4\_met\_cut;

set groups\_4\_met;

drop

Methyldopa\_PDC\_Preg\_M6

Methyldopa\_PDC\_Preg\_M7

Methyldopa\_PDC\_Preg\_M8

Methyldopa\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_4\_met\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_4\_met;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_4\_met;

merge traj\_term\_4\_met (in=intraj\_term\_4\_met) groups\_4\_met\_cut (in=ingroups\_4\_met\_cut);

by Patient\_Id;

if intraj\_term\_4\_met and ingroups\_4\_met\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_met";

set traj\_merged\_groups\_4\_met;

**run**;

**data** traj\_merged\_groups\_4\_met;

set traj\_merged\_groups\_4\_met;

**run**;

**proc** **export** data=traj\_merged\_groups\_4\_met

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_met.csv" dbms=csv replace;

**run**;

**data** traj\_term\_4\_lab;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where LAB\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_4\_lab \*\*\*;

**proc** **traj** data=traj\_term\_4\_lab

outplot=op\_groups\_4\_lab

outstat=os\_groups\_4\_lab

out=of\_groups\_4\_lab

outest=oe\_groups\_4\_lab

ITDETAIL;

id Patient\_Id;

Var

Labetalol\_PDC\_Preg\_M6

Labetalol\_PDC\_Preg\_M7

Labetalol\_PDC\_Preg\_M8

Labetalol\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **4**;

order **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_4\_lab.csv";

**proc** **print** data=op\_groups\_4\_lab noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_4\_lab;

SET of\_groups\_4\_lab;

**RUN**;

**proc** **sort** data=groups\_4\_lab;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_4\_lab.csv";

**proc** **means** data=groups\_4\_lab mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_4\_lab";

SET groups\_4\_lab;

**RUN**;

\* calculate number of women in each group;

**data** groups\_4\_lab;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_lab";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_4\_lab.csv";

**proc** **freq** data= groups\_4\_lab;

table GROUP /nopercent nocol norow;

title "groups\_4\_lab";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_4\_lab WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_4\_lab;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_lab";

**RUN**;

**data** groups\_4\_lab\_cut;

set groups\_4\_lab;

drop

Labetalol\_PDC\_Preg\_M6

Labetalol\_PDC\_Preg\_M7

Labetalol\_PDC\_Preg\_M8

Labetalol\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_4\_lab\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_4\_lab;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_4\_lab;

merge traj\_term\_4\_lab (in=intraj\_term\_4\_lab) groups\_4\_lab\_cut (in=ingroups\_4\_lab\_cut);

by Patient\_Id;

if intraj\_term\_4\_lab and ingroups\_4\_lab\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_lab";

set traj\_merged\_groups\_4\_lab;

**run**;

**data** traj\_merged\_groups\_4\_lab;

set traj\_merged\_groups\_4\_lab;

**run**;

**proc** **export** data=traj\_merged\_groups\_4\_lab

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_lab.csv" dbms=csv replace;

**run**;

**data** traj\_term\_4\_metlab;

set "P:\Straub, Loreen\summer student\datasets\traj\_term";

where MET\_LAB\_Bin\_Preg\_M0\_M5=1;

**run;**

\*\*\* groups\_4\_metlab \*\*\*;

**proc** **traj** data=traj\_term\_4\_metlab

outplot=op\_groups\_4\_metlab

outstat=os\_groups\_4\_metlab

out=of\_groups\_4\_metlab

outest=oe\_groups\_4\_metlab

ITDETAIL;

id Patient\_Id;

Var

Methy\_Labe\_PDC\_Preg\_M6

Methy\_Labe\_PDC\_Preg\_M7

Methy\_Labe\_PDC\_Preg\_M8

Methy\_Labe\_PDC\_Preg\_M9;

Indep

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

model cnorm;

max **100**;

ngroups **4**;

order **3** **3** **3** **3**;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\proc\_traj\_groups\_4\_metlab.csv";

**proc** **print** data=op\_groups\_4\_metlab noobs;

**run**;

ods trace on;

ods csv close;

\* Calculate mean predicted probabilities;

**DATA** groups\_4\_metlab;

SET of\_groups\_4\_metlab;

**RUN**;

**proc** **sort** data=groups\_4\_metlab;

by GROUP;

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\meanpredprob\_groups\_4\_metlab.csv";

**proc** **means** data=groups\_4\_metlab mean std median q1 q3;

var GRP1PRB GRP2PRB GRP3PRB GRP4PRB;

by GROUP;

**run**;

ods csv close;

**DATA** "P:\Straub, Loreen\summer student\datasets\groups\_4\_metlab";

SET groups\_4\_metlab;

**RUN**;

\* calculate number of women in each group;

**data** groups\_4\_metlab;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_metlab";

**run**;

ods csv file="P:\Straub, Loreen\summer student\SAS\_outputs\number\_women\_per\_group\_groups\_4\_metlab.csv";

**proc** **freq** data= groups\_4\_metlab;

table GROUP /nopercent nocol norow;

title "groups\_4\_metlab";

**run**;

ods csv close;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* MERGE data=groups\_4\_metlab WITH full data set and assess mean PDC within each interval and for each group \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

DATA groups\_4\_metlab;

set "P:\Straub, Loreen\summer student\datasets\groups\_4\_metlab";

**RUN**;

**data** groups\_4\_metlab\_cut;

set groups\_4\_metlab;

drop

Methy\_Labe\_PDC\_Preg\_M6

Methy\_Labe\_PDC\_Preg\_M7

Methy\_Labe\_PDC\_Preg\_M8

Methy\_Labe\_PDC\_Preg\_M9

gest\_interval\_M6

gest\_interval\_M7

gest\_interval\_M8

gest\_interval\_M9;

**proc** **sort** data=groups\_4\_metlab\_cut;

by Patient\_Id;

**run**;

**proc** **sort** data=traj\_term\_4\_metlab;

by Patient\_Id;

**run**;

**data** traj\_merged\_groups\_4\_metlab;

merge traj\_term\_4\_metlab (in=intraj\_term\_4\_metlab) groups\_4\_metlab\_cut (in=ingroups\_4\_metlab\_cut);

by Patient\_Id;

if intraj\_term\_4\_metlab and ingroups\_4\_metlab\_cut;

**run**;

**data** "P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_metlab";

set traj\_merged\_groups\_4\_metlab;

**run**;

**data** traj\_merged\_groups\_4\_metlab;

set traj\_merged\_groups\_4\_metlab;

**run**;

**proc** **export** data=traj\_merged\_groups\_4\_metlab

outfile="P:\Straub, Loreen\summer student\datasets\traj\_merged\_groups\_4\_metlab.csv" dbms=csv replace;

**run**;