libname in "C:\Users\faurot\OneDrive - University of North Carolina at Chapel Hill\15\_Teaching\DPET 831\2019\Exercises\Exercise 4";

**proc** **format**;

value heroinf **1**='heroin' **0** = 'other opioid';

value ynf **1**='yes' **0**='no';

value $ynf '1\_yes'='yes' '0\_no'='no';

**run**;

**data** one;

set in.opirx;

drop daysto;

age5=age/**5**;

if socsupp > **6.6** then socsptbin=**1**;

else socsptbin=**0**;

label age = "age at baseline"

daysto = "days to substance use post-detox"

female = "female"

homeless = "homeless"

newrx = "new medication"

satreat = "any prior substance abuse treatment"

racebl = "Black vs. White"

socsupp = "Social support scale"

substuse = "use of any substance post detox";

format opiate heroinf. newrx ynf. female ynf. homeless $ynf. substuse ynf.;

**run**;

**proc** **contents**; **run**;

**proc** **print** data=one (obs=**15**); **run**;

**PROC** **FREQ**;

tables socsptbin\* socsupp;

**run**;

**PROC** **FREQ**;

TABLES female;

TABLES homeless;

TABLES racebl;

TABLES satreat;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=female;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

CLASS homeless;

MODEL substuse=homeless;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=satreat;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=age;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=age;

UNITS age = **5**;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=age5;

**RUN**;

**PROC** **MEANS** DATA=one mean median;

VAR socsupp;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

MODEL substuse=socsptbin;

**RUN**;

\*or you could create a format;

**PROC** **FORMAT**;

VALUE socsuppf **0**-**6.6**='0:low' **6.7**-**14**='1:high';

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

CLASS socsupp(ref='0:low');

MODEL substuse=socsupp;

FORMAT socsupp socsuppf.;

**RUN**;

**PROC** **LOGISTIC** DATA = one DESCENDING;

CLASS homeless(ref='no') socsupp(ref='0:low') racebl(ref='White') female(ref='no');

MODEL substuse=age5 female homeless satreat racebl socsptbin;

FORMAT socsupp socsuppf.;

**RUN**;

ods rtf close;