Codes

libname herico "C:\Users\abdou\Downloads\2021-nyts-dataset-format-library-codebook-sas\

2021-nyts-dataset-format-library-codebook-sas";

**run**;

**data** heattob;

set herico.Nyts2021;

where QN84=**1**;

**RUN**;

**Log output**

Graphical user interface, text, application

Description automatically generated

**PROC** **FORMAT**;

VALUE AGEGROUP **1**-**5** = 'BELOW 13'

**6**-HIGH = '13 AND ABOVE'

OTHER = 'MISSING';

Value Gender **1**= ’Male’

**2**= ’Female’

Other =’Missing’;

Value Grades **1**-**3** =’Middle school’

**4**-**8**=’high school’

Other=’Missing’;

Value days low-**10**= ‘0 to **10** days’

**12**-**30**= ’12 to **30** days’

Other =’Missing’;

**run**;

\*Creating a New variable called “race”;

**Data** heat\_race;

Set heattob;

If QN5A= **1** THEN RACE='Amerindian';

ELSE IF QN5B=**1** THEN RACE ='ASIAN';

ELSE IF QN5C=**1** THEN RACE ='BLACK';

ELSE IF QN5D =**1** THEN RACE ='HAWAIIAN';

ELSE IF QN5E =**1** THEN RACE='WHITE';

**RUN**;

\*CREATING A VARIABLE CALLED FLAVOURS;

**Data** FLAVOR;

Set heattob;

IF QN19JA= **1** THEN FLAVOR= 'MENTHOL';

ELSE IF QN19JB=**1** THEN FLAVOR= 'MINT';

ELSE IF QN19JC=**1** THEN FLAVOR ='CLOVE OR SPICE';

ELSE IF QN19JD =**1** THEN FLAVOR = 'FRUIT';

ELSE IF QN19JE=**1** THEN FLAVOR= 'CHOCOLATE';

ELSE IF QN19JF=**1** THEN FLAVOR='ALCOHOLIC';

ELSE IF QN19JG=**1** THEN FLAVOR='CANDY,DESSERT OR OTHER SWEETS';

ELSE IF QN19JH=**1** THEN FLAVOR='OTHER FLAVORS';

**RUN**;

**Data** heat\_HOW;

Set heattob;

IF QN20KA=**1** THEN HOW='I BOUGHT THEM MYSELF';

ELSE IF QN20KB=**1** THEN HOW='SOMEONE BUYS FOR ME';

ELSE IF QN20KC =**1** THEN HOW= 'I ASKED SOMEONE TO GIVE SOME';

ELSE IF QN20KD=**1** THEN HOW='SOMEONE OFFERED THEM TO ME';

ELSE IF QN20KE=**1** THEN HOW='I GOT THEM FROM A FRIEND';

ELSE IF QN20KF=**1** THEN HOW='I GOT THEM FROM A FAMILY MEMBER';

ELSE IF QN20KG=**1** THEN HOW='I TOOK THEM FROM A STORE OR ANOTHER PERSON';

ELSE IF QN20KH=**1** THEN HOW='I GOT THEM IN SOME OTHER WAY';

**RUN**;

\*CREATING A NEW VARIABLE CALLED “WHERE I BOUHT MY HEATED TOBACCO”;

**Data** WHERE;

Set heattob;

IF QN21KA = **1** THEN WHERE = ' I did not buy';

ELSE IF QN21KB = **1** THEN WHERE = 'I bought them from another person';

ELSE IF QN21KC = **1** THEN WHERE = " A gas station or convenience store";

ELSE IF QN21KD = **1** THEN WHERE = "A grocery store ";

ELSE IF QN21KE = **1** THEN WHERE = "A drugstore";

ELSE IF QN21KF = **1** THEN WHERE = "A mall or shopping center kiosk/stand";

ELSE IF QN21KG = **1** THEN WHERE = "A vending machine";

ELSE IF QN21KH = **1** THEN WHERE = "On the Internet";

ELSE IF QN21KI = **1** THEN WHERE = "Through the mail";

ELSE IF QN21KJ = **1** THEN WHERE = "Through a delivery service";

ELSE IF QN21KK = **1** THEN WHERE = "A vape shop or tobacco shop";

ELSE IF QN21KL = **1** THEN WHERE = "Some other place not listed here";

**RUN**;

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated with low confidence

Title 'Distribustion of participants by Age group';

**proc** **freq** data=heattob (where=(QN1 is not MISSING));

TABLE Qn1/NOCUM;

LABEL QN1='aGEGROUP';

FORMAT QN1 AGEGROUP.;

**RUN**;

Text

Description automatically generated

title 'Distribustion of participants by gender';

**proc** **freq** data=heattob (where=(QN2 is not Missing));

table QN2/NOCUM;

LABEL QN2='GENDER';

FORMAT QN2 GENDER.;

**RUN**;

Text

Description automatically generated

TITLE 'DISTRIBUSTION OF PARTICIPANTS BY AGEGROUP AND GENDER';

**PROC** **FREQ** DATA=heattob (where=(QN1 AND QN2 IS NOT MISSING));

TABLE QN1\*QN2/NOCOL NOROW;

LABEL QN1='AGEGROUP'

QN2='GENDER';

FORMAT QN1 AGEGROUP.

QN2 GENDER.;

**RUN**;

Text

Description automatically generated

Title 'Distribution of participants by educational level';

**proc** **freq** data=heattob (where=(QN3 is not missing));

table QN3/NOCUM;

FORMAT QN3 GRADES.;

**RUN**;

Text

Description automatically generated

Title 'Distribution of participants by race';

**proc** **freq** data=heat\_race (where=(race is not missing));

table race /nocum;

**proc** **SGPLOT** DATA=heat\_race;

VBAR race;

**RUN**;

Graphical user interface, text, application

Description automatically generated

title 'Distribution of participants by the number of days they used heated heated tobacco during the last 30 days';

**proc** **freq** data=heattob (where=(QN85 is not missing));

table QN85/nocum;

LABEL QN85= 'DAYS';

FORMAT QN85 DAYS.;

**RUN**;

Graphical user interface, text, application, email

Description automatically generated

Title 'Distribustion of participants by number of days they used heated tobacco in relation to education level';

**proc** **sgplot** data = heattob;

VBAR QN85/group=QN3 Groupdisplay=cluster;

XAXIS LABEL ='Number of days used';

label QN3='educational level ';

format QN3 GRADES.

QN85 DAYS.;

**RUN**;

Graphical user interface, text, application

Description automatically generated

tITLE 'DISTRIBTUSTION OF PARTICIPANTS BY NUMBER OF DAYS THEY USED HEATED TOBACCO IN RELATION TO GENDER';

**PROC** **SGPLOT** DATA= heattob;

VBAR QN85/gROUP=QN2 gROUPDISPLAY=CLUSTER;

XAXIS LABEL='NUMBER OF DAYS USED';

LABEL QN2='sex';

format QN2 Gender.

QN85 DAYS.;

**RUN**;

Graphical user interface, text, application, email

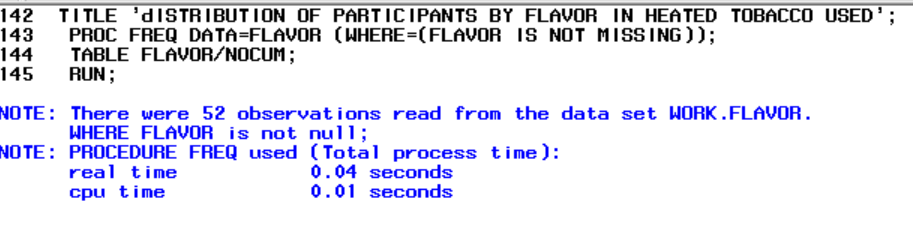
Description automatically generated

TITLE 'dISTRIBUTION OF PARTICIPANTS BY FLAVOR IN HEATED TOBACCO USED';

**PROC** **FREQ** DATA=FLAVOR (WHERE=(FLAVOR IS NOT MISSING));

TABLE FLAVOR/NOCUM;

**RUN**;



Title 'Distribution of participants by how they got heated tobacco during the last 30 ndays';

**proc** **freq** data=heat\_HOW (where=(HOW is not missing));

table HOW/NOCUM;

**RUN**;

Graphical user interface, text, application

Description automatically generated

Title 'Distribution of participants by where they where they bought their heated tobacco during the last 30 days';

**proc** **freq** data=WHERE (where=(where is not missing));

table WHERE/NOCUM;

**RUN**;

Graphical user interface, text, application, email

Description automatically generated