Dr. Ruth C(lifford) Engs - Presentations, Publications & Research Data Collection. This collection is found at IUScholarWorks:
http://hdl.handle.net/2022/16829

The Collection
This document is part of a collection that serves two purposes. First, it is a digital archive for a sampling of unpublished documents, presentations, questionnaires and limited publications resulting from over forty years of research. Second, it is a public archive for data on college student drinking patterns on the national and international level collected for over 20 years. Research topics by Dr. Engs have included the exploration of hypotheses concerning the determinants of behaviors such as student drinking patterns; models that have examine the etiology of cycles of prohibition and temperance movements, origins of western European drinking cultures (attitudes and behaviors concerning alcohol) from antiquity, eugenics, Progressive Era, and other social reform movements with moral overtones-Clean Living Movements; biographies of health and social reformers including Upton Sinclair; and oral histories of elderly monks.

Citation for this item
To obtain citation format and information for this document go to:
http://hdl.handle.net/2022/17155

Indiana University Archives
Paper manuscripts and material for Dr. Engs can be found in the IUArchives
http://webapp1.dlib.indiana.edu/findingaids/view?doc.view=entire_text&docId=InU-Ar-VAC0859
1. **RESEARCHERS NOTE** THAT RELIABILITY AND VALIDITY INFORMATION FOR THE QUESTIONNAIRE ARE FOUND IN THE FOLLOWING PAPERS

*See in particular this paper for details on calculations and scoring:*
Engs, Ruth C. The drug taking patterns of nursing, medical, and pharmacy students in Brisbane, Australia, National Council on Alcoholism, Conference, (Nursing Section), New Orleans, April 10, 1981a. IUScholarWorks: [http://hdl.handle.net/2022/17185](http://hdl.handle.net/2022/17185)

Engs, Ruth C. Drinking Patterns and Attitudes toward Alcoholism of Australian Human-Service Students. *Journal Studies on Alcohol.* 43 (5): 517-531, May 1982

Engs, R.C. "The drinking patterns and attitudes towards alcoholism of female tertiary helping professional studies in Brisbane, Australia," *Focus on Women,* 2(3)145-159, 1981b


2. **IF YOU ARE USING THIS SURVEY INSTRUMENT FOR A CLASSROOM PROJECT IN AUSTRALIA, IT IS SUGGESTED THAT YOU JUST CALCULATE THE PERCENT OF SUBJECTS WHO ANSWERED EACH QUESTION STEM RATHER THAN CALCULATE A Q-F LEVEL

3. **DUE TO COPY RIGHT ISSUES THE TOLAR-TAMARIN ATTITUDES SCALES HAVE BEEN REMOVED FROM THE QUESTIONNAIRE AND CALCULATIONS.**
Information on some SPSS coding for a mainframe computer which can be adapted for pc SPSS program:

LT = less than  
LE = less than or equal to.  
EQ = equal  
GE = greater or equal  
GT = greater than  
/ = beginning or end of a new line for the variable list or computation OR division (such as 4/2=2)  
* = times (such as 2x2=4)

VALUE LABEL = the variable and its numeric value, ie. “sex” 1=male, 2=female.  
VAR LABEL = definition of a variable GMSWD = GRAMS WINE ALC PER DAY

Data set (AUSTR_DATA.TXT) abbreviations at end of some lines. On the data set, abbreviations such as “MD1” found at the end of a line, refers to the major. The “1” refers to year in school; MD refers to medical students. All cases after this are from the course and year.  
MD4= Last year Medical students  
NURW1=First year nursing students at “W” nursing college, etc  
QT1 = First year education student, etc  
PH3=Last year pharmacy student, etc.  
SW1=First year social work student, etc.  
SEMb=Seminary students at “B” seminary  
COPS=police students  
OTH=other

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THE SPSS PROGRAM FOR A MAINFRAME COMPUTER WITH SCORING, TRANSFORMATION OF VARIABLES, and CALCULATIONS.

RUN NAME PROGRAM FOR QUEENSLAND STUDY OF PRE PROFESSIONALS  
DATA LIST FILE= AUSTR_DATA.TXT RECORDS=1  
VARIABLE LIST SEX, AGE, COURSE, YEAR, RELIG, RELGOS, SOCIAL, BEER, WINE, SPIRIT, TOBAC, PAINKI, COFFEE, TEA, COCAIN, STIM, SED, MJ, TRANQ, OPIATE, ANTIHI, HALLUC, BEERAM, WINEAM, SPIRAM, COFFAM, TEAAM, PAINAM, MJAM, TOBAM, V32 TO V55, PREPAL, IMPTAL, PREFDR, IMPTDR  
INPUT FORMAT FIXED(8X,F1.0,2F2.0,19F1.0,8F2.0,28F1.0)  
N OF CASES UNKNOWN  
MISSING VALUES SEX TO HALLUC, V32 TO IMPTDR(0)  
RECODE RELIG (5=4)  
VALUE LABEL SEX (1) Males (2) Females/ COURSE (1)MED (2)NURS (3)LAW (4)TEACH (5)PHARM (6) SOC WRK (7)SEMINARY (8) POLICE (9) OTHER  
VAR LABEL SOCIAL OCCUPATION OF HEAD OF HOUSE/
RELGOS RELIGIOSITY/
BEER   FREQUENCY OF BEER DRUNK/

VALUE LABELS

COMMENT TRANSFORMATION FOR DEMOGRAPHIC VARIABLES
IF (YEAR GT 1) YEAR1=2
IF (YEAR EQ 1) YEAR1=1
VALUE LABELS YEAR1 (2) LAST YEAR   (1) FIRST YEAR STUDENTS
IF (RELGOS EQ 1 OR 2) ROS=2
IF (RELGOS EQ 3 OR 4) ROS=1
VALUE LABELS ROS (2) VERY RELIGIOUS (1) NOT RELIGIOUS

COMMENT TRANSFORMATION OF THE SIX VARIABLES RELATED TO A PERSON’S
FEELING OF PREPAREDNESS, IMPORTANCE OF STUDYING, AND READY
TO DEAL WITH PATIENTS WITH ALCOHOLISM AND DRUG ABUSE
ISSUES

VALUE LABELS
PREPAL DOES PERSON FEEL PREPARED IN AREA OF ALC/
IMPTAL DOES PERSON FEEL ALC IS IMPORTANT AREA/
IF (PREPAL EQ 1 OR 2) PRA=1
IF (PREPAL EQ 3 OR 4) PRA=2
VAR LABEL PRA PREPARED HANDLE ALCOHOLISM/
VALUE LABELS PRA(1) AGREE  (2) DISAGREE HANDLE ALCOHOLISM
IF (IMPTAL EQ 1 OR 2) IMA=1
IF (IMPTAL EQ 3 OR 4) IMA=2
VAR LABEL IMA IMPORTANCE OF ALCOHOLISM IN STUDIES/
VALUE LABELS IMA (1) AGREE (2) DISAGREE
IF (PREPDR EQ 1 OR 2) PRD=1
IF (PREPDR EQ 3 OR 4) PRD=2
VAR LABEL PRD PREPARED TO DEAL WITH DRUG ABUSE PROB/
VALUE LABELS PRD (1) AGREE (2) DISAGREE
IF (IMPTDR EQ 1 OR 2) IMD=1
IF (IMPTDR EQ 3 OR 4) IMD=2
VAR LABEL IMD IMPORTANCE OF DRUG ABUSE IN STUDIES/
VALUE LABELS IMD (1) AGREE (2) DISAGREE
MISSING VALUES PRA TO IMD(0)

COMMENT THE FOLLOWING INFORMATION IS FOR TRANSFORMATIONS of Q-F
LEVEL OF ABSOLUTE ALCOHOL INTO GRAMS.

COMMENT CALCULATIONS FOR ABSOLUTE ALCOHOL OF WINE INTO GRAMS/DAY
COMPUTE GMS WIN=WINEAM*8.2
IF (WINE EQ 1) GMSWYR=GMSWIN*365
IF (WINE EQ 2) GMSWYR=GMSWIN*182
IF (WINE EQ 3) GMSWYR=GMSWIN*78
IF (WINE EQ 4) GMSWYR=GMSWIN*34
IF (WINE EQ 5) GMSWYR=GMSWIN*3.5
IF (WINE EQ 6) GMSWYR=GMSWIN*1.0
IF (WINE EQ 7 OR 8) GMSWYR=0
COMPUTE GMSWD=GMSWYR/365
COMPUTE MLWD=GMSWD*10.4/8.2
COMPUTE LITWY=MLWD*365/1000
COMPUTE WINEYR=LITWY*90.0/10.4
IF (GMSWD GE 80) GMWINE=6
IF (GMSWD GE 60 AND LT 80) GMWINE=5
IF (GMSWD GE 40 AND LT 60) GMWINE=4
IF (GMSWD GE 20 AND LT 40) GMWINE=3
IF (GMSWD GE 0 AND LT 20) GMWINE=2
IF (GMSWD EQ 0) GMWINE=1

VALUE LABELS GMWINE (5) GE 60 AND LT 80 (4) GE 40 AND LT 60 GM
(3) GE 20 AND LT 40 (2) GT 0 AND LT 20 (1) NO GMS WINE DAY
(6) GT 80 GMS WINE

IF (GMSWD GE 80) WINEDR=5
IF (GMSWD GE 60 AND LT 80) WINEDR=4
IF (GMSWD GE 40 AND LT 60) WINEDR=3
IF (GMSWD GE 20 AND LT 40) WINEDR=2
IF (GMSWD GE 0 AND LT 20) WINEDR=1

VALUE LABELS WINEDR (4) GE 60 AND LT 80 GMS (3) GE 40 AND LT 60 GMS
(2) GE 20 AND LT 40 (1) GT 0 AND LT 20 (5) GE 80 GMS WINE DAY

VAR LABEL
GMSWD GRAMS WINE ALC PER DAY/ WINEYR LITERS WINE DRUNK PER YEAR/ GMWINE GMS ALC IN WINE AT DIFF LEVELS/
WINEDR GMS ALC IN WINE OF DRINKERS /

COMMENT
CALCULATIONS FOR ABSOLUTE ALCOHOL OF BEER INTO GRAMS/DAY

COMPUTE GMSBER=BEERAM*10.4
IF (BEER EQ 1) GMSBYR=GMSBER*365
IF (BEER EQ 2) GMSBYR=GMSBER*182
IF (BEER EQ 3) GMSBYR=GMSBER*78
IF (BEER EQ 4) GMSBYR=GMSBER*34
IF (BEER EQ 5) GMSBYR=GMSBER*3.5
IF (BEER EQ 6) GMSBYR=GMSBER*1.0
IF (BEER EQ 7 OR 8) GMSBYR=0

COMPUTE GMSBD=GMSBYR/365
COMPUTE MLBD=GMSBD*13.7/10.4
COMPUTE LITBY=MLBD*365/1000

COMPUTE BEERYR=LITBY*285/13.7
IF (GMSBD GE 80) GMBEER=6
IF (GMSBD GE 60 AND LT 80) GMBEER=5
IF (GMSBD GE 40 AND LT 60) GMBEER=4
IF (GMSBD GE 20 AND LT 60) GMBEER=3
IF (GMSBD GT 0 AND LT 20) GMBEER=2
IF (GMSBD EQ 0) GMBEER=1

VALUE LABELS GMBEER (6) GE 80 (5) GE 60 AND LT 80 (4) GE 40 AND LT 60
(3) GE 20 AND LT 40 (2) GT 0 AND LT 20 (1) NO BEER GMS

IF (GMSBD GE 80) BEERDR=5
IF (GMSBD GE 60 AND LT 80) BEERDR=4
IF (GMSBD GE 40 AND LT 60) BEERDR=3
IF (GMSBD GE 20 AND LT 40) BEERDR=2
IF (GMSBD GT 0 AND LT 20) BEERDR=1

VALUE LABELS BEERDR (4) GE 60 AND LT 80 GMS (3) GE 40 AND LT 60 GMS
(2) GE 20 AND LT 40 (1) GT 0 AND LT 20 (5) GE 80

VAR LABEL
BEERDR GMS ALC IN BEER OF BEER DRINKERS PER DAY /
GMBEER GMS ALC IN BEER PER DAY AT DIFF LEVELS /
BEERYR LIT BEER DRUNK PER YEAR /
GMSBD GMS ALC I BEER PER DAY DRNK /
COMMENT  CALCULATIONS FOR ABSOLUTE ALCOHOL OF SPIRITS INTO GRAMS/DAY
COMPUTE  GMSSP=SPIRAM*9.2
IF (SPIRIT EQ 1) GMSPYR=GMSSP*365
IF (SPIRIT EQ 2) GMSPYR=GMSSP*182
IF (SPIRIT EQ 3) GMSPYR=GMSSP*78
IF (SPIRIT EQ 4) GMSPYR=GMSSP*34
IF (SPIRIT EQ 5) GMSPYR=GMSSP*3.5
IF (SPIRIT EQ 6) GMSPYR=GMSSP*1.0
IF (SPIRIT EQ 7 OR 8) GMSPYR=0
COMPUTE  GMSSD=GMSPYR/365
COMPUTE  MLSD=GMSSD*11.6/9.2
COMPUTE  LITSY=MLSD*365/1000
COMPUTE  SPIRYR=LITSY*30/11.6
IF (GMSSD GE 80) GMSPT=6
IF (GMSSD GE 60 AND LT 80) GMSPT=5
IF (GMSSD GE 40 AND LT 60) GMSPT=4
IF (GMSSD GE 20 AND LT 40) GMSPT=3
IF (GMSSD GT 0 AND LT 20) GMSPT=2
IF (GMSSD EQ 0) GMSPT=1
VALUE LABELS GMSPT (6) GT 80 (5) GE 60 AND LT 80 (4) GE 40 AND LT 60
(3) GE 20 AND LT 40 (2) GT 0 AND LT 20 (1) NO SPIRIT
IF (GMSSD GE 80) SPIRDR=5
IF (GMSSD GE 60 AND LT 80) SPIRDR=4
IF (GMSSD GE 40 AND LT 60) SPIRDR=3
IF (GMSSD GE 20 AND LT 40) SPIRDR=2
IF (GMSSD GT 0 AND LT 20) SPIRDR=1
VALUE LABELS SPIRDR (5) GT 80 (4) GE 60 AND LT 80 (3) GE 40 AND LT 60
(2) GE 20 AND LT 40 (1) GT 0 AND LT 20
VAR LABEL  GMSSD GMS ALC IN SPIRITS PER DAY DRUNK/
SPIRYR LIT SPIRIT DRNAK PER YEAR/
GMSPT GMS ALC IN SPIRIT PER DAY DIFF LEVELS/
SPIRDR GM ALC SPIRIT OF SPIRIT DRINKERS PER DAY/

COMMENT  CALCULATIONS TO DETERMINE TOTAL ABSOLUTE ALCOHOL CONSUMED IN GRAMS PER DAY
COMPUTE  GABSAL=GMSWD + GMSSD + GMSBD
COMPUTE  ABALIT=LITWY + LITBY + LITSY
VAR LABEL  GABSAL GMS ABS ALC PER DAY/
ABALIT LIT ABS ALC PER YEAR/
IF (GABSAL GE 80) GMALC=6
IF (GABSAL GE 60 AND LT 80) GMALC=5
IF (GABSAL GE 40 AND LT 60) GMALC=4
IF (GABSAL GE 20 AND LT 40 ) GMALC=3
IF (GABSAL GT 0 AND LT 20) GMALC=2
IF (GABSAL EQ 0) GMALC=1
VALUE LABELS GMALC (6) GE 80 (5) GE 60 AND LT 80 (4) GE 40 AND LT 60
(3) GE 20 AND LT 40 (2) GT 0 AND LT 20 (1) NO ALC
IF (GABSAL GE 80) ALCDR=5
IF (GABSAL GE 60 AND LT 80) ALCDR=4
IF (GABSAL GE 40 AND LT 60) ALCDR=3
IF (GABSAL GE 20 AND LT 40) ALCDR=2
IF (GABSAL GT 0 AND LT 20) ALCDR=1
VALUE LABELS  
  ALCDR (5) GE 80 (4) 60 AND LT 80 (3) GT 40 AND LT 60  
  (2) GT 20 AND LT 40 (1) GT 0 AND LT 20  

VAR LABEL  
  GMALC GMS ABS ALC PER DAY IN LEVELS/  
  ALCDR GMS ABS ALC OF DRINKERS PER DAY IN LEVELS/  

COMMENT  
  TRANSFORMATION INTO QUANTITY FREQUENCY LEVEL FOR COFFEE,  
  TEA, MARIJUANA, PAINKILLERS, CIGARETTES. FOR OTHER DRUG  
  VARIABLES USE PERCENT WHO ANSWERED EACH STEM.  

COMMENT CALCULATIONS TO GET MG CAFFEINE IN COFFEE PER DAY  
IF  
  (COFFEE EQ 1) COFFEY=COFFAM*365  
IF  
  (COFFEE EQ 2) COFFEY=COFFAM*182  
IF  
  (COFFEE EQ 3) COFFEY=COFFAM*78  
IF  
  (COFFEE EQ 4) COFFEY=COFFAM*34  
IF  
  (COFFEE EQ 5) COFFEY=COFFAM*3.5  
IF  
  (COFFEE EQ 6) COFFEY=COFFAM*1.0  
IF  
  (COFFEE EQ 7 OR 8) COFFEY=0  
COMPUTE  
  COFFED = COFFEY/365  
COMPUTE  
  COFFEW=COFFED*7  
COMPUTE  
  COFFGD=COFFED*125  
COMPUTE  
  COFFGW=COFFED*125  
IF  
  (COFFGD GE 750) COFLEV=4  
IF  
  (COFFGD GE 250 AND LT 750) COFLEV=3  
IF  
  (COFFGD GT 0 AND LT 250) COFLEV=2  
IF  
  (COFFGD EQ 0) COFLEV=1  
VALUE LABELS  
  COFLEV (4) GE 750MG DAY (3) GE 250 AND LT 750 MG D  
  (2) GT 0 AND LT 250 MG DAY (1) NO COFFEE PER DAY  
VAR LABEL  
  COFFED NO. CUPS COFFEE DRANK PER DAY/  
  COFFEW NO. CUPS COFFEE DRUNK PER WEEK/  
  COFFGD MG OF COFFEE DRUNK PER DAY/  
  COFFGW MG COFFEE DRUNK PER WEEK/  

COMMENT CALCULATIONS TO GET MG OF CAFFEINE IN TEA PER DAY  
IF  
  (TEA EQ 1) TEAY=TEAAM*365  
IF  
  (TEA EQ 2) TEAY=TEAAM*182  
IF  
  (TEA EQ 3) TEAY=TEAAM*78  
IF  
  (TEA EQ 4) TEAY=TEAAM*34  
IF  
  (TEA EQ 5) TEAY=TEAAM*3.5  
IF  
  (TEA EQ 6) TEAY=TEAAM*1.0  
IF  
  (TEA EQ 7 OR 8) TEAY=0  
COMPUTE  
  TEADAY=TEAY/365  
COMPUTE  
  TEAWK=TEADAY*7  
COMPUTE  
  MGTD=TEADAY*41  
COMPUTE  
  MGTW=TEADAY*41  
IF  
  (MGTD GE 750) TEALEV=4  
IF  
  (MGTD GE 250 AND LT 750) TEALEV=3  
IF  
  (MGTD GT 0 AND LT 250) TEALEV=2  
IF  
  (MGTD EQ 0) TEALEV=1  

COMMENT  
  CALCULATIONS TO GET TOTAL MG OF CAFFEINE PER DAY FROM  
  BOTH COFFEE AND TEA


COMPUTE         CAFEIN=MGTD + COFFGD
IF              (CAFEIN GE 750)XAN=4
IF              (CAFEIN GE 250 AND LT 750)XAN=3
IF              (CAFEIN GT 0 AND LT 250)XAN=2
IF              (CAFEIN EQ 0)XAN=1
VAR LABEL       XAN AMOUNT OF CAFFEIN PER DAY FROM COFF AND TEA
VALUE LABELS    XAN (4) GE 750 MG CAFFEIN DAY IN BEV (3)GT 250 AND
                LT 750 MG CAF (2) GT 0 AND LT 250 (1)NO COF OR TEA
VAR LABEL       CAFEIN MG CAFFEIN PER DAY FROM COF AND TEA
VALUE LABELS    TEALEV (4) GE 750 MG CAFFEIN PER DAY
                (3)GE 250 AND LT 750 MG CAFEIN PER DAY
                (2) GT O AND LT 250 MG CAFFEIN PER DAY
                (1)NO TEA DRANK PER DAY
VAR LABEL       TEADAY NO. CUPS TEA PER DAY/TEAWK NO. CUPS TEA PER WK/
                MGTD MG CAFFEIN IN TEA PER DAY/MGTW MG CAFFEIN IN TEA
                PER WEEK/TEALEV LEVEL CAFFEIN PER DAY IN TEA/

COMMENT         CALCULATIONS TO GET NUMBER of JOINTS OF MARIJUANA PER WEEK
                AND MONTH
IF              (MJ EQ 1)MJY=MJAM*365
IF              (MJ EQ 2)MJY=MJAM*182
IF              (MJ EQ 3)MJY=MJAM*78
IF              (MJ EQ 4)MJY=MJAM*34
IF              (MJ EQ 5)MJY=MJAM*3.5
IF              (MJ EQ 6)MJY=MJAM*1.0
IF              (MJ EQ 7 OR 8)MJY=0
COMPUTE         MJD =MJY/365
COMPUTE         MJW=MJD*7
COMPUTE         MJM=MJW*4
IF              (MJW GE 7)MJLEV=3
IF              (MJW LT 7 AND GE 3)MJLEV=2
IF              (MJW LT 3 AND GE 1)MJLEV=1
VALUE LABELS    MJLEV(3)OVER 7 JOINTS A WEEK (2)GT 3 AND LT 7 JOINTS
                WEEK   (1)GE 1 AND LT 3 JOINTS PER WEEK
IF              (MJW GE 7)MJLLEVL=4
IF              (MJW LT 7 AND GE 3)MJLLEVL=3
IF              (MJW LT 3 AND GE 1)MJLLEVL=2
IF              (MJW EQ 0)MJLLEVL=1
VALUE LABELS    MJLLEVL (4)OVER 7 JOINTS A WEEK (3)GT 3 AND LT 7 JOINTS
                WEEK   (2)LT 3 AND GT 1 JOINT WEEK (1)NON MJ USER
IF              (MJM GE 4)MJMON=3
IF              (MJM GT 1 AND LT 4)MJMON=2
IF              (MJM GT 0 AND LT 1)MJMON=1
VALUE LABELS    MJMON (3) 4 JOINTS A MONTH (2)LT 4 AND GT 1 JOINT MON
                (1) GT 0 AND LT 1 JOINT A MONTH
IF              (MJM GE 4)MJMON1=4
IF              (MJM LT 4 AND GE 1)MJMON1=3
IF              (MJM GT 0 AND LT 1)MJMON1=2
IF              (MJM EQ 0)MJMON1=1
VALUE LABELS    MJMON1 (4)GE 4 JOINTS A MONTH (3)LT 4 AND GE 1 JOINT
                (2) GT 0 AND LT 1 JOINT A MONTH (1)NON MJ USER
VAR LABEL       MJD NO. JOINTS PER DAY/ MJW NO. JOINTS PER WEEK/
COMMENT CALCULATIONS TO GET NUMBER PAIN MEdS TAKEN PER DAY
IF (PAINKI EQ 1) PAINY=PAINAM*365
IF (PAINKI EQ 2) PAINY=PAINAM*182
IF (PAINKI EQ 3) PAINY=PAINAM*78
IF (PAINKI EQ 4) PAINY=PAINAM*34
IF (PAINKI EQ 5) PAINY=PAINAM*3.5
IF (PAINKI EQ 6) PAINY=PAINAM*1.0
IF (PAINKI EQ 7 OR 8) PAINY=0
COMPUTE PAIND=PAINY/365
COMPUTE PAINW=PAIND*7
IF (PAIND GE 20) PAINLE=4
IF (PAIND GE 2 AND LT 20) PAINLE=3
IF (PAIND GT 0 AND LT 2) PAINLE=2
IF (PAIND EQ 0) PAINLE=1
VALUE LABELS PAINLE (4) GT 20 PILLS PER DAY (3) GE 2 AND LT 20 PILLS PER DAY (2) LT 2 AND GT 0 PILLS PER DAY (1) NO PILLS PER DAY
IF (PAIND GE 2) PAIN2=2
IF (PAIND LT 2) PAIN2=1
VALUE LABELS PAIN2 (2) GT 2 PILLS PER DAY (1) LT 1 PILL PER DAY
VAR LABEL PAIND NO. PAIN PILLS PER DAY/PAINW NO. PAIN PILL WEEK/
PAINLE LEVEL OF PAIN PILLS PER DAY/PAIN2 LEVEL PILLS CONS PER DAY

COMMENT CALCULATIONS TO GET NUMBER OF CIGARETTES SMOKED PER DAY
IF (TOBAC EQ 1) TOBACY=TOBAM*365
IF (TOBAC EQ 2) TOBACY=TOBAM*182
IF (TOBAC EQ 3) TOBACY=TOBAM*78
IF (TOBAC EQ 4) TOBACY=TOBAM*34
IF (TOBAC EQ 5) TOBACY=TOBAM*3.5
IF (TOBAC EQ 6) TOBACY=TOBAM*1.0
IF (TOBAC EQ 7 OR 8) TOBACY=0
COMPUTE TOBDAY=TOBACY/365
VAR LABEL TOBDAY NO. CIGS SMOKED PER DAY/
IF (TOBDAY GE 40) CIGS=5
IF (TOBDAY GE 20 AND LT 40) CIGS=4
IF (TOBDAY GE 10 AND LT 20) CIGS=3
IF (TOBDAY GT 0 AND LT 10) CIGS=2
IF (TOBDAY EQ 0) CIGS=1
RECODE CIGS (5=4)
VAR LABEL CIGS NO. CIG SMOKED PER DAY IN LEVELS/
VALUE LABELS CIGS (5) GT 40 CIGS PER DAY (4) GE 20
(3) GE 10 AND LT 40 CIGS (2) GT 0 AND LT 10 CIGS
(1) NO CIGS PER DAY
IF (TOBDAY GE 25) SMOKE=2
IF (TOBDAY GE 1 AND LT 25) SMOKE=1
VAR LABEL SMOKE CIGS SMOKED AMONG SMOKERS/
VALUE LABELS SMOKE (2) GT 25 CIGS PER DAY (1) GT 1 AND LT 25 CIGS PER DAY
IF (TOBDAY GE 25) SMOKE1=3
IF (TOBDAY GT 1 AND LT 25) SMOKE1=2
IF (TOBDAY LT 1) SMOKE1=1
VAR LABEL SMOKE1 LEVELS SMOKED AND NON SMOKED PER DAY/
VALUE LABELS SMOKE1 (3) GT 25 CIGS PER DAY (2) GT 1 AND LT 25 CIGS
(1) DON’T SMOKE

COMMENT NOW PUT CROSSTABS, ANOVA, T-TEST, ETC. CALCULATIONS
AFTER THIS IF USING SPSS ON MAINFRAME COMPUTER. THE
EXAMPLE BELOW COMPARES THE PERCENT OF MALES AND FEMALES
(SEX) IN FIRST AND LAST YEAR IN SCHOOL (YEAR1) AND IN EACH
COURSE OF STUDY (MAJOR)

CROSSTABS VARIABLES=SEX(1,2) YEAR1(1,2) COURSE(1,10)
STATISTICS ALL
READ INPUT DATA
FINISH

COMMENT THE BELOW SELECTS FOR MALES [TEMPORARY
(SEX EQ 1)]. THE T-TEST CALCULATIONS COMPARE THE MEAN GRAMS
OF ABSOLUTE ALCOHOL (GABSAL) AND GRAMS OF ABSOLUTE
ALCOHOL IN BEER (GMSBD), WINE (GMSWD), AND SPIRITS (GMSSD)
PER DAY CONSUMED BETWEEN FIRST YEAR AND FINAL YEAR MALE
STUDENTS (YEAR1).
TEMPORARY
SELECT IF (SEX EQ 1)
T-TEST GROUPS=YEAR1/VARIABLES=GABSAL GMSBD GMSWD GMSSD
OPTIONS 1 18
STATISTICS ALL

Again go to the following paper for details.  Engs, Ruth C. The drug taking patterns of nursing,
medical, and pharmacy students in Brisbane, Australia, National Council on Alcoholism,
Conference, (Nursing Section), New Orleans,  April 10, 1981a. IUScholarWorks:
http://hdl.handle.net/2022/17185