

B2F05 - NOTES AND COMPUTED VARIABLES

(Phlebotomy)

B05FSTMN: the total number of minutes fasting based on time and date an individual last ate and time and date blood drawn

B05FAST: , fasting status based on the calculated variable A05FSTMN. B05FAST was generated using the following statements to indicate a 12 hour fast:

IF 720<=B05FSTMN<=2940 THEN B05FAST = 'YES';

IF 0 < B05FSTMN < 720 THEN B05FAST = 'NO';

```

*****
*           THIS CODE CREATES THE SAS DATA SET B2F05           *
*           VERSION 2.2 OF THE CARDIA SAS FILES                 *
*           JUNE 1989                                           *
*****;

```

```

LIBNAME HISTORY 'D:\UMASAS';
OPTIONS PS=59;

```

```

DATA TEMP;
  INFILE 'E:\V22\FORM05.SEQ' LRECL=85;

```

```

  LENGTH ID          8          B05PHLID 3          B05TMEAT B05DTEAT 8
         B05HEPA    B05HEMO    B05AIDS  B05BLDDW 3          B05TMBLD 8
         B05POSTN  3          B05TMSPN 8          B05VISHM 3
         B05TMFRZ  8          B05QC    3

```

```

;
MISSING M;

```

```

INPUT CENTER 1 ID 1-12 B05BLDYR 13-14 B05BLDMO 15-16
      B05BLDDY 17-18 B05PHLID 44-46
      B05EAT_H 47-48 B05EAT_M 49-50
      B05EATYR 51-52 B05EATMO 53-54 B05EATDY 55-56 @;

```

```

B05TMEAT = HMS( B05EAT_H, B05EAT_M, 0 );
B05DTEAT = MDY( B05EATMO, B05EATDY, B05EATYR );
B05DTBLD = MDY( B05BLDMO, B05BLDDY, B05BLDYR );
DROP B05EAT_H B05EAT_M B05EATMO B05EATDY B05EATYR
      B05BLDMO B05BLDDY B05BLDYR;

```

```

INPUT B05HEPA 57 B05HEMO 58 B05AIDS 59 B05BLDDW 60
      HH1 61-62 MM1 63-64 @;

```

```

B05TMBLD = HMS( HH1, MM1, 0 );

```

```

INPUT B05POSTN 65 HH3 66-67 MM3 68-69 B05VISHM 70
      HH2 71-72 MM2 73-74 @;

```

```

B05TMSPN = HMS( HH3, MM3, 0 );
B05TMFRZ = HMS( HH2, MM2, 0 );

```

```

INPUT B05TB1A $ 75 B05TB1B $ 76 B05TB1C $ 77 B05TB1D $ 78 B05TB1E $ 79
      B05TB1F $ 80 B05TB1G $ 81 B05TB1H $ 82 B05TB1I $ 83 B05QC 84;

```

```

FORMAT B05DTEAT B05DTBLD DATE7.
       B05TMEAT B05TMBLD B05TMSPN B05TMFRZ TIME5.
;

```

```

*****
* NOW TO DETERMINE WHETHER INDIVIDUALS WERE FASTING OR NOT.
* THIS SECTION CREATES TWO VARIABLES B01FAST (FASTING: YES, NO) AND
* B01FSTMN (THE NUMBER OF MINUTES BETWEEN LAST ATE AND BLOOD DRAW.
*****;

```

```

SS1=0;
SS2=0;
EATTM=DHMS( B05DTEAT, HH1, MM1, SS1 );
BLDTM=DHMS( B05DTBLD, HH2, MM2, SS2 );
DTDIF=BLDTM-EATTM;
B05FSTMN=DTDIF/60;

```

```
B05FSTMN=ROUND(B05FSTMN,1);
IF B05FSTMN<0 THEN B05FSTMN=.;
IF 720<=B05FSTMN<=2940 THEN B05FAST='YES';
IF 0<B05FSTMN<720 THEN B05FAST='NO ';
IF B05FSTMN=. THEN B05FAST='  ';
```

```
DROP BLDTM EATTM DTDIF HH1 HH2 HH3 MM1 MM2 MM3 SS1 SS2;
```

```
LABEL B05PHLID='PHLEBOTOMIST ID NUMBER'
      B05TMEAT='TIME LAST ATE (SAS TIME VALUE)'
      B05DTEAT='DATE LAST ATE (SAS DATE VALUE)'
      B05DTBLD='DATE BLOOD DRAWN (SAS DATE VALUE)'
      B05HEPA='HEPATITIS N(1), Y(2),DN(8)'
      B05AIDS='AIDS? N(1), Y(2), DN(8)'
      B05HEMO='BLEEDING DISORDERS? N(1), Y(2), DN(8)'
      B05BLDDW='ANY BLOOD DRAWN?'
      B05TMBLD='TIME BLOOD DRAWN'
      B05POSTN='POS' 'N OF PATIENT? SITTING(1),SUPINE(2)'
      B05TMSPN='TIME SPECIMEN WAS SPUN'
      B05VISHM='VISUALLY HEMOLYZED SPECIMEN?'
      B05TMFRZ='TIME SPECIMEN WAS FROZEN'
      B05TB1A='15ML PURPLE TUBE, .5 ML PLASMA ALIQUOT'
      B05TB1B='15ML PURPLE TUBE, . 5 ML PLASMA ALIQUOT'
      B05TB1C='15ML PURPLE TUBE,1/2 ML PLASMA ALIQUOT'
      B05TB1D='15ML PURPLE TUBE,1/2 ML PLASMA ALIQUOT'
      B05TB1E='10 ML RED TUBE, 1/2 ML SERUM ALIQUOT'
      B05TB1F='10ML RED TUBE,1/2 ML SERUM ALIQUOT'
      B05TB1G='10ML RED TUBE,1/2 ML SERUM ALIQUOT'
      B05TB1H='10ML RED TUBE,1/2 ML SERUM ALIQUOT'
      B05TB1I='10ML RED TUBE,2 ML SERUM ALIQUOT'
      B05FSTMN='NUMBER OF MINUTES FASTING'
      B05FAST='12 HR FAST BEFORE BLOOD DRAWN'
      B05QC='QUALITY CONTROL: N/Y';
```

```
RUN;
```

```
DATA TEMPQC;
```

```
INFILE 'E:\V22\FORM05QC.SEQ' LRECL=31;
```

```
LENGTH ID B05QC_ID 8;
```

```
INPUT ID 1-12 @18 B05QC_ID 12. B0510MLA $ 30 B0510MLB $ 31;
```

```
LABEL B05QC_ID = 'QUALITY CONTROL ID, FORM05QC'
      B0510MLA = '10ML PURPLE TUBE, 0.5 ML PLASMA ALIQUOT'
      B0510MLB = '10ML PURPLE TUBE, 5 ML PLASMA ALIQUOT'
      ;
```

```
RUN;
```

```
DATA HISTORY.B2F05;
```

```
MERGE TEMP TEMPQC HISTORY.ID (KEEP=ID IN=IN_ID);
```

```
BY ID;
```

```
IF IN_ID;
```

```
RUN;
```

```
PROC CONTENTS;
```

```
TITLE1 'CONTENTS OF EXAM 2 V.2 FILE';
```

```
TITLE2 'FORM 05 (PHLEBOTOMY) & FORM 05QC (QUALITY CONTROL)';
```

CONTENTS OF EXAM 2 V.2 FILE
FORM 05 (PHLEBOTOMY) & FORM 05QC (QUALITY CONTROL)

CONTENTS PROCEDURE

Data Set Name: HISTORY.B2F05
Observations: 4624
Variables: 30
Label:

Type:
Record Len: 122

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Label
29	B0510MLA	Char	1	120		10ML PURPLE TUBE, 0.5 ML PLASMA ALIQUOT
30	B0510MLB	Char	1	121		10ML PURPLE TUBE, 5 ML PLASMA ALIQUOT
7	B05AIDS	Num	3	37		AIDS? N(1), Y(2), DN(8)
8	B05BLDDW	Num	3	40		ANY BLOOD DRAWN?
16	B05DTBLD	Num	8	84	DATE7.	DATE BLOOD DRAWN (SAS DATE VALUE)
4	B05DTEAT	Num	8	23	DATE7.	DATE LAST ATE (SAS DATE VALUE)
27	B05FAST	Char	3	109		12 HR FAST BEFORE BLOOD DRAWN
26	B05FSTMN	Num	8	101		NUMBER OF MINUTES FASTING
6	B05HEMO	Num	3	34		BLEEDING DISORDERS? N(1), Y(2), DN(8)
5	B05HEPA	Num	3	31		HEPATITIS N(1), Y(2),DN(8)
2	B05PHLID	Num	3	12		PHLEBOTOMIST ID NUMBER
10	B05POSTN	Num	3	51		POS'N OF PATIENT? SITTING(1),SUPINE(2)
14	B05QC	Num	3	73		QUALITY CONTROL: N/Y
28	B05QC_ID	Num	8	112		QUALITY CONTROL ID, FORM05QC
17	B05TB1A	Char	1	92		15ML PURPLE TUBE, .5 ML PLASMA ALIQUOT
18	B05TB1B	Char	1	93		15ML PURPLE TUBE, . 5 ML PLASMA ALIQUOT
19	B05TB1C	Char	1	94		15ML PURPLE TUBE,1/2 ML PLASMA ALIQUOT
20	B05TB1D	Char	1	95		15ML PURPLE TUBE,1/2 ML PLASMA ALIQUOT
21	B05TB1E	Char	1	96		10 ML RED TUBE, 1/2 ML SERUM ALIQUOT
22	B05TB1F	Char	1	97		10ML RED TUBE,1/2 ML SERUM ALIQUOT
23	B05TB1G	Char	1	98		10ML RED TUBE,1/2 ML SERUM ALIQUOT
24	B05TB1H	Char	1	99		10ML RED TUBE,1/2 ML SERUM ALIQUOT
25	B05TB1I	Char	1	100		10ML RED TUBE,2 ML SERUM ALIQUOT
9	B05TMBLD	Num	8	43	TIME5.	TIME BLOOD DRAWN
3	B05TMEAT	Num	8	15	TIME5.	TIME LAST ATE (SAS TIME VALUE)
13	B05TMFRZ	Num	8	65	TIME5.	TIME SPECIMEN WAS FROZEN
11	B05TMSPN	Num	8	54	TIME5.	TIME SPECIMEN WAS SPUN
12	B05VISHM	Num	3	62		VISUALLY HEMOLYZED SPECIMEN?
15	CENTER	Num	8	76		
1	ID	Num	8	4		SUBJECT ID NUMBER