

17.0 ANALYSIS RESULTS FILE - CODEBOOK

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SECTION 17.0

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- 17.1 The Analysis Results File contains all values calculated by the DIETSYS Nutrient Analysis System. This section of documentation contains a detailed description of the file format and variable locations. The actual formulas used to calculate each value are given in Section 16.

The number of data lines in this file depends on the number of questionnaires analyzed. There are 26 lines at the beginning of the file which contain information regarding the analysis setup. This includes filenames, option settings, group information, and age coding information. These 26 lines are followed by one line of data per questionnaire analyzed. The last line in the file contains error and warning counts for the entire population.

If analyzing a file containing a large number of respondents, the disk space required for the Analysis Results File will approach 1 to 1.5 kilobytes per person. If you have greatly increased the number of nutrients in the DIETSYS Foods Database, the amount of space required will increase accordingly.

The vast amount of data stored in this file and the fact that it contains a varying number of variables required the file format to be quite complex. The file would have been too large to store each variable in specified column locations. To assist you in the analysis of the data in this file, a template SAS program to input the data has been provided. This program (READRES.SAS) is installed with the DIETSYS software. That is, READRES.SAS is a text file in the same directory as your DIETSYS program files.

17.2 Variable Locations.

Line 1 File Type and Version Information

File Identifier

"RES_FILE" is printed in the first 10 characters of this line. This field is used by DIETSYS to verify that this file is an Analysis Results File when the name of the file is entered in a file screen.

Version Identifier (version 3.8+)

The version identifier is a character string (up to 20 characters) identifying the DIETSYS version used to create the results file. This field is not used by DIETSYS, it was added to help Users identify which version they used for the analysis. This field will not be in the file if the version used was 3.7c or earlier.

Line 2 File Names and Number Analyzed

This data line contains the names of the files used by the DIETSYS Nutrient Analysis to generate this Analysis Results File. Each file name listed includes the path. A path is the drive and directory such as "C:\HHHQ\".

Columns

Data Item

1-81	Questionnaire Data File Name
82	Blank
83-163	Portion Size Data File Name
164	Blank
165-245	Nutrient Composition Data File Name
246	Blank
247-327	Questionnaire Configuration File Name
328	Blank
329-409	Analysis Options File Name
410	Blank
411-418	Number of Questionnaires Analyzed (Integer)

Line 3 Number of Nutrients and Option Settings

Each of the values in this line of data are separated by a blank. The column locations may vary due to the varying width of the numeric values in this line.

Number of Nutrient Estimates Calculated (integer value)

The value of this field determines the number of nutrient estimates included in the results lines for each respondent. These lines of results begin in Line 27. The number of nutrients estimated is equal to the number of nutrients in the Nutrient Composition Data File. Up to 50 nutrients may be estimated. DIETNUT.V30, the Nutrient Composition Data File distributed with DIETSYS Version 3.0, contains 33 nutrients.

AddFats Option

0 = OFF
1 = ON

AddMilk Option

0 = AUTO
1 = LINE ITEM
9 = OFF

AddSalt Option

0 = OFF
1 = ON

AgeDefault Option

0 = YOUNGER
1 = MID AGE
2 = OLDER

CookFat Option

2 = MEDIUM
3 = LARGE

Categorical Format

0 = NO, Questionnaire Data File is NOT in the Categorical Format
1 = YES, data file is in the Categorical format

CerealAdj Option
0 = OFF
1 = ON

CodeCereal Option
0 = OFF
1 = ON

ColapsXL Option
0 = OFF
1 = ON

DarkQues Option
0 = OFF
1 = ON

Number of Dropped Foods (integer value)
See Section 15.13 for an explanation of Dropped Foods.

EatSkin Option
0 = OFF
1 = ON

FruitAdj Option
0 = OFF
1 = ON

LeanMeat Option
0 = OFF
1 = ON

LowFatFoods Option
0 = OFF
1 = ON

MeatFat Option
0 = OFF
1 = ON

MedOnly Option
0 = OFF
1 = ON

Minimum Weekly Frequency (Floating Point Value)
0.933 if 1/WEEK

0.233 if 1/MONTH
0.000 if NO MIN

The value stored in this field is the actual minimum weekly frequency value used for comparison when implementing the Minimum Freq Option (Section 16A.18).

OpenEnded Minimum Weekly Frequency

7.000 if 1/DAY
0.933 if 1/WEEK
0.233 if 1/MONTH
0.000 if NO OPEN FOODS

The value stored in this field is the actual minimum weekly frequency value used for comparison when implementing the OpenEnded Min Option (Section 16A.19).

Vitamin Data Section Setting

0 = OFF (Don't Include in Analysis Report)
1 = ON (Include In Analysis Report)
9 = Vitamin Questions Not Asked

Portions Option

A = AGESEX
O = ONQUEST

Predict Option

0 = OFF
1 = ON

Recalc Option

0 = OFF
1 = ON

RestAdj Option

0 = OFF
1 = ON

Sel-Quests Option

0 = ALL
1 = LAST
2 = MATCH ID
3 = SEQUENCE

SexDefault Option

- 1 = MALE
- 2 = FEMALE

Sources Output Flag

This field is a combination of the Sources-Matrix and Sources-Sort options.

- 0 = Sorted Only. The Sources-Sort option was set to FILE or PRINTER while the Sources-Matrix option was set to OFF.
- 1 = Matrix Only. The Sources-Matrix option was set to ON and the Sources-Sort option was set to OFF.
- 2 = Both Options ON
- 9 = Both Options OFF

TopSources Option

- 0 = OFF
- 1 = ON

TopSources Nutrient #1

Nutrient ID of the first TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #2

Nutrient ID of the second TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #3

Nutrient ID of the third TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #4

Nutrient ID of the fourth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #5

Nutrient ID of the fifth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #6

Nutrient ID of the sixth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #7

Nutrient ID of the seventh TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #8

Nutrient ID of the eighth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #9

Nutrient ID of the ninth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TopSources Nutrient #10

Nutrient ID of the tenth TopSources Nutrient. '0' if NO NUTRIENT was selected for this position in the TopSources Nutrient List (Section 15.18).

TunaQues Option

0 = OFF

1 = ON

VegAdj Option

0 = OFF

1 = ON

XL Serving Size Flag

0 = Not a Valid Size on Questionnaire

1 = Is Valid

Serving Size Location

0 = Not Asked

1 = Serving Size is First (before each food frequency code)

2 = Serving Size is Last

Predict Option Age Groups

For each of the next 8 fields, the following values will be coded.

0 = 18-24

1 = 25-34

2 = 35-44

3 = 45-54

4 = 55-64

5 = 65+

The 8 fields are:

Predict Age Group for Age Code of '1'

Predict Age Group for Age Code of '2'

Predict Age Group for Age Code of '3'

Predict Age Group for Age Code of '4'

Predict Age Group for Age Code of '5'

Predict Age Group for Age Code of '6'

Predict Age Group for Age Code of '7'

Predict Age Group for Age Code of '8'

Age Group for Missing Age Code

'3' is always coded here. "35-44" is always used for the Predict Age Group when the Missing Code is used for Age.

Age Group for Error in Age Code

'3' is always coded here. "35-44" is always used for the Predict Age Group when the Error Code is used for age.

Line 4 Dropped Foods

The Food IDs of all Dropped Foods (Section 15.13) are listed on this line. The Food IDs are separated by one blank. If no foods were dropped, one '0' is written to this line.

Lines 5 through 24 Group Information

Each of these lines contains the Group Information for one of the 20 Food Groups. That is, one line of data per group. See Section 15.14 for information regarding Food Groups.

Each Group Information line contains the following data items.

Group Name (31 characters)

Blank

Group Recommended Range Text (15 chars)

Blank

Reasonable Limit (daily -- real number, 3 places to right of decimal)

Blank

Print this Group's Data to Report (1-print; 0-don't)

Blank

Fix Group Setting (1-fix on; 0-fix off)

Blank

Number of Members in Group (Integer)

Blank

Food IDs of each member. Each ID is followed by a blank.

Line 25 Age Coding Scheme

If age is coded as number of years (the two character format), this line will be blank. Otherwise, the input codes used for age will be listed. No blanks are used to separate the codes. For example, this data line will contain "1234567ME" when a SCAN92 questionnaire is analyzed.

Line 26 Age Descriptions

If age is coded as number of years (the two character format), this line will be blank. Otherwise, for each code in line 25 there is a 20 character age description. This description is what is printed to the Analysis Report. These fields are not separated by blanks.

Lines 27+ Results for Each Respondent

The individual results for the respondents are on Lines 27 through the second to last line in the Results File. The last line of the file contains edit-check summary data.

There will be 1 line of results data for each questionnaire analyzed. Each data line will contain the following fields. A blank is used to separate fields.

Respondent ID (10 characters)

Name

The first 24 characters of the response to the Name HHHQ Question are written here. This includes the Last Name, First Name, and Middle Initial. This field will be blank-filled if Name was not asked on the questionnaire.

Age (two-character field)

This is the coded response to the Age HHHQ Question. This field is coded with two Missing Codes if Age is not asked. The Missing Code is read from the Questionnaire Configuration File specified in Line 2.

Age is always a two-character field. If Age was coded in a one character format, the second character of this field will be a blank.

Special Diet

The two-character coded response to the Special Diet HHHQ Question. If the Special Diet HHHQ Question is not asked, '00' will be coded. See Section 10 for the Special Diet codes.

Amount of Weight Change

The coded response to the Amount of Weight Change HHHQ Question. If the Amount of Weight Change HHHQ Question is not asked, '0' will be coded. See Section 10 for the Amount of Weight Change codes.

Sex

- 1 = Male
- 2 = Female
- 9 = Not Asked, or Coded as Missing or Error

If the Sex HHHQ Question is not asked or the coded response to Sex is the Missing Code or Error Code, the sex used by DIETSYS will equal the SexDefault option setting.

Outlier Flag - Not Using Recalc Values

- 0 = Normal
- 1 = Low
- 2 = High

This is the Outlier flag prior to implementing the Recalc option, or if the Recalc option is OFF. See Section 16 for a description of the Recalc option and the determination of outlier.

After Recalc Outlier

- 0 = Normal
- 1 = Low
- 2 = High

This is the Outlier flag after implementing the Recalc option. If Recalc is OFF, this field will always be coded as '0'. See Section 16 for a description of the Recalc option and the determination of outlier.

Weight (Pounds)

- 2 will be coded in this field if Weight was not asked on the questionnaire.
- 1 will be coded in this field if Weight was coded as Missing or Error.

Height (Inches)

- 2 will be coded in this field if Height was not asked on the questionnaire.
- 1 will be coded in this field if Height was coded as Missing or Error.

Nutrient Estimates

The number of nutrient estimates reported here will equal the Number of Nutrients in Line 3. The order of the nutrients will be the same as the order of the nutrients in the Nutrient Composition Data File used in the analysis. The name of this file is in Line 2. One blank is used to separate the Nutrient Estimates. Each value is in a floating point format (x.xx). The calculations of these values are described in Section 16.2. A list of the nutrients and the corresponding units distributed with Version 3.0 of DIETSYS is given in Section 12.15.

Nutrient Estimates - Excluding Alcohol

The next eight fields are floating point values (x.xx). The calculations of these values are described in Section 16.3.

Daily Estimate of Calories - Excluding Alcohol
Daily Estimate of Protein - Excluding Alcohol
Daily Estimate of Total Fat - Excluding Alcohol
Daily Estimate of Carbohydrate - Excluding Alcohol
Daily Estimate of Phosphorus - Excluding Alcohol
Daily Estimate of Potassium - Excluding Alcohol
Daily Estimate of Riboflavin - Excluding Alcohol
Daily Estimate of Niacin - Excluding Alcohol

Nutrient Estimates - In Season

The next twelve fields are floating point values (x.xx). The calculations of these values are described in Section 16.4.

Daily Estimate of Vitamin A (IU) - In Season
Daily Estimate of Vitamin A (RE) - In Season
Daily Estimate of Vitamin C - In Season
Daily Estimate of Dietary Fiber - In Season
Daily Estimate of Folate - In Season
Daily Estimate of Alpha-Carotene - In Season
Daily Estimate of Beta-Carotene - In Season
Daily Estimate of Cryptoxanthin - In Season
Daily Estimate of Lutein - In Season
Daily Estimate of Lycopene - In Season
Daily Estimate of Retinol - In Season
Daily Estimate of Pro-A Carotenes - In Season

Grams of Solid Food (Per Day)

Floating point format (x.xx). See Section 16.5 for more information.

Percent of Calories from Fat, Protein, etc.

The next five fields are floating point values (x.xx). The calculations of these values are described in Section 16.6. Each field is followed by a blank.

Percent of Calories from Fat
Percent of Calories from Protein
Percent of Calories from Carbohydrate
Percent of Calories from Sweets
Percent of Calories from Alcoholic Beverages

Percent of Calories (Excluding Alcohol).

The next three fields are floating point values (x.xx). The calculations of these values are described in Section 16.7. Each field is followed by a blank.

Percent of Calories from Fat - Excluding Alcoholic Beverages
Percent of Calories from Protein - Excluding Alcoholic Beverages
Percent of Calories from Carbohydrate - Excluding Alcoholic Beverages

Fiber Variables

The next three fields are floating point values (x.xx). The calculations of these values are described in Section 16.8. Each field is followed by a blank.

Daily Fiber from Beans
Daily Fiber from Vegetables/Fruit
Daily Fiber from Grains

Top Sources Information

A total of 70 fields are included in this section. There are 7 fields for each nutrient in the TopSources Nutrient List (Section 15.18). These fields are described below for one nutrient. These 7 fields are repeated for the other 9 nutrients.

Top Source Nutrient ID

0 if NO NUTRIENT (See Section 15.18 and 16A.29)

Nutrient Value for 1st Food

This is the highest amount of this nutrient contributed by any one food. This field will be '0.00' if the TopSources option was OFF or if Nutrient ID for this Top Source Nutrient is '0' (NO NUTRIENT).

Food ID of 1st Food

This food contributed the amount of nutrient recorded in the previous field.

Nutrient Value for 2nd Food

This is the second highest amount of this nutrient contributed by any one food. This field will be '0.00' if the TopSources option was OFF or if Nutrient ID for this Top Source Nutrient is '0' (NO NUTRIENT).

Food ID of 2nd Food

This food contributed the amount of nutrient recorded in the previous field.

Nutrient Value for 3rd Food

This is the third highest amount of this nutrient contributed by any one food. This field will be '0.00' if the TopSources option was OFF or if Nutrient ID for this Top Source Nutrient is '0' (NO NUTRIENT).

Food ID of 3rd Food

This food contributed the amount of nutrient recorded in the previous field.

Other Vitamin Response Code

- 1 = Yeast
- 2 = Selenium
- 3 = Zinc
- 4 = Iron
- 5 = Beta-Carotene
- 6 = Cod Liver Oil
- 7 = Other, not specified
- 8 = More than one response
- 9 = None, Missing, Error or question not asked

Nutrient Estimates from Supplements

The next thirteen fields are floating point values (x.x). The calculations of these values are described in Section 16.9. Each field is followed by a blank.

Vitamin A	(0.0 if not asked)
Vitamin C	(0.0 if not asked)
Vitamin D	(0.0 if not asked)
Vitamin E	(0.0 if not asked)
Iron	(0.0 if not asked)
Calcium	(0.0 if not asked)
Zinc	(0.0 if not asked)
Beta Carotene	(0.0 if not asked)
Thiamin	(0.0 if not asked)
B6	(0.0 if not asked)
B12	(0.0 if not asked)
Folate	(0.0 if not asked)
Copper	(0.0 if not asked)

Number of Imputed

The number of times a supplement frequency or amount of nutrient per pill was not specified. That is, the coded response to frequency or amount of nutrient was coded as Missing or Error. Values are imputed for these if at least one segment is not missing.

Group Information

A total of 80 fields are included in this section. There are 4 fields for each of the 20 Food Groups. These fields are described below for one Food Group. These 4 fields are repeated for the other 19 Food Groups. See Sections 15.14 through 15.17 for additional information regarding Food Groups and instructions for changing Food Groups.

Daily Group Frequency

This is the sum of the daily frequencies of all members of the group. See Section 15.16 for instructions to view or print the members of each group.

Daily Group Gram Intake

This is the sum of the grams of all members of the group. See Section 15.16 for instructions to view or print the members of each group.

Group - Weekly Variability Count

This is the number of different foods in the group eaten at least once per week.

Group - Monthly Variability Count

This is the number of different foods in the group eaten at least once per month.

Last Line of Results File (Edit-Checking Summary Variables)

The fields in this data line are separated by one blank. Each of the warnings and errors are described in Section 14. These variables are used to print the Edit Summary page of the DIETSYS Analysis Report (Section 18).

Number of males analyzed

Number of females analyzed

Number of respondents with a warning for skipped foods

Number of respondents with an error for skipped foods

Number of respondents with a warning for "Once Per Time Unit" (Non-Categorical questionnaires only, will be 0 for Categorical questionnaires).

Number of respondents with an error for "Once Per Time Unit" (Non-Categorical questionnaires only, will be 0 for Categorical questionnaires).

Number of respondents with a warning for "Too Many Foods Coded Using the Same Frequency" (Categorical questionnaires only, will be 0 for Non-Categorical questionnaires).

Number of respondents with an error for "Too Many Foods Coded Using the Same Frequency" (Categorical questionnaires only, will be 0 for Non-Categorical questionnaires).

Number of respondents with warning for too many foods coded as small serving size
Number of respondents with warning for too many foods coded as medium serving size
Number of respondents with warning for too many foods coded as large serving size
Number of respondents with warning for too many foods coded as extra-large serving size

Number of respondents with error for too many foods coded as small serving size
Number of respondents with error for too many foods coded as medium serving size
Number of respondents with error for too many foods coded as large serving size
Number of respondents with error for too many foods coded as extra-large serving size

Number of males with a warning for too few foods per day.
Number of females with a warning for too few foods per day.

Number of males with an error for too few foods per day.
Number of females with an error for too few foods per day.

Number of males with an error for too many foods per day.
Number of females with an error for too many foods per day.

Number of respondents with a warning for "Questionably High Food Frequencies"
Number of respondents with an error for "Questionably High Food Frequencies"
Number of respondents with a warning for "Questionably High Group Frequencies"

Number of incomplete questionnaires analyzed. These are questionnaires which were interrupted during a DIETSYS Interactive Interview or a DIETSYS Data Entry session.

Number of questionnaires which were entered using the DIETSYS Data Entry system and were completed but not verified.

Number of questionnaires with questionable data. That is, the number of questionnaires which had at least one error flag.

Number of questionnaires with at least one warning flag but no errors.

APPENDIX A

The SAS program READRES.SAS is distributed with the DIETSYS software. This program reads the results file and splits the file into three data sets: POPDATA, GROUPS & INDIVIDS. POPDATA has only one observation and contains information such as filenames, options, overall totals, errors, warnings, etc. GROUPS contains information concerning food groups used in analyzing the questionnaires. INDIVIDS is the data set that contains one observation per questionnaire analyzed. The majority of analysis will probably be done on this data set. Due to the number of variables in this data set, it is recommended that a KEEP statement be used to select only the variables that are necessary for your analysis. The Results file is not in column format, so all variables must be read in since list input is used.

READRES.SAS is designed for ease of portability between different hardware platforms. On PC or UNIX platforms, simply eliminate the JCL statements and use the filename statement. This program is ready to run on the NIH IBM 370 mainframe with the addition of your data set name in the JCL and, of course, your code for analysis.

REMINDER: WLBUR edit format permits only an LRECL of 1000. The Results file is designed for a maximum LRECL of 2000. To transfer the results file to mainframe under TSO-KERMIT, use the following:

```
SET EDIT OFF
SET RECFM FB
SET LRECL 2000
SET BLKSIZE 10000
RCV results filename
```

The variables in each data set are described on the following pages.

Data Set: POPDATA

Description: Contains File Names, Options, Errors / Warnings / Totals, etc.

Variables :

File Names

QUE_File	Char	Questionnaire Data File Name
POR_File	Char	Portion Size Data File Name
NUT_File	Char	Nutrient Composition Data File Name
CFG_File	Char	Questionnaire Configuration File Name
OPT_File	Char	Analysis Options File Name

Options

Definitions and possible values of the options and other variables on this line can be found in Analysis Results File Codebook.

<u>Variable</u>	<u>Type</u>	<u>Description</u>
AddFats	Num	AddFats Option
AddMilk	Num	AddMilk Option
AddSalt	Num	AddSalt Option
AgeDef	Num	AgeDefault Option
AgeCodes	Char	Age Coding Scheme (list of valid codes)
AgeD(n)	Char	Descriptions for Age Codes Excluding Missing/Error
Categrcl	Num	Categorical Format
CerAdj	Num	CerealAdj Option
CodeCer	Num	CodeCereal Option
ColapsXL	Num	ColapsXL Option
CookFat	Num	CookFat Option
DarkQues	Num	DarkQues Option
DrpID(n)	Num	Dropped Food IDs (n = N_Drpd)
EatSkin	Num	EatSkin Option
FruitAdj	Num	FruitAdj Option
LeanMeat	Num	LeanMeat Option
LowFat	Num	LowFatFoods Option
MeatFat	Num	MeatFat Option
MedOnly	Num	MedOnly Option
MinPerWk	Num	Minimum Weekly Frequency
N_Drpd	Num	Number of Dropped Foods
Nutr	Num	Number of Nutrients Analyzed
OpenMnPW	Num	Open Ended Minimum Weekly Frequency
PillQues	Num	Vitamin Data Section Setting
Portions	Char	Portions Option
Predict	Num	Predict Option
PAgeC(n)	Num	Predict Option Age Groups
Recalc	Num	Recalc Option
RestAdj	Num	RestAdj Option
SelQuest	Num	Sel-Quests Option
SexDef	Num	SexDefault Option
SizeLoc	Num	Serving Size Location
Sources	Num	Sources Output Flag
TopNut(n)	Num	TopSources Nutrient IDs (1-10)

TopSrcs	Num	TopSources Option
TunaQues	Num	TunaQues Option
VegAdj	Num	VegAdj Option
Version	Char	DietSys Software Version ID
XLValid	Num	XL Serving Size Flag

Population Counts

<u>Variable</u>	<u>Type</u>	<u>Description</u>
Females	Num	Number of Females Analyzed
Incomp	Num	Number of Incomplete Questionnaires
Males	Num	Number of Males Analyzed
NumAnlzd	Num	Number of Questionnaires Analyzed
NotVer	Num	Number of Questionnaires Not Verified

Errors / Warnings / Totals

CatErr	Num	Number of respondents with error for too many foods coded in same frequency column
CatWarn	Num	Number of respondents with warning for too many foods coded in same frequency column
ErrQues	Num	Number of questionnaires with error(s)
FreqErr	Num	Number of questionnaires with an error for questionably high food frequencies
FreqWarn	Num	Number of questionnaires with a warning for questionably high food frequencies
GrpHigh	Num	Number of questionnaires with at least one questionably high group frequency
OnceErr	Num	Number of questionnaires with an error for too many foods coded as once per time unit
OnceWarn	Num	Number of questionnaires with warning for too many foods coded as once per time unit
SEL	Num	Number of questionnaires with an error for too many foods coded with large serving
SEM	Num	Number of questionnaires with an error for too many foods coded with medium serving
SES	Num	Number of questionnaires with an error for too many foods coded with small serving
SEXL	Num	Number of questionnaires with an error for too many foods coded with x-large serving
SkipErr	Num	Number of questionnaires with an error for too many foods skipped
SkipWarn	Num	Number of questionnaires with a warning for too many foods skipped
SWL	Num	Number of questionnaires with warning for too many foods coded with large serving
SWM	Num	Number of questionnaires with warning for too many foods coded with medium serving
SWS	Num	Number of questionnaires with warning for too many foods coded with small serving
SWXL	Num	Number of questionnaires with warning for too many foods coded with x-large serving

TFEF	Num	Number of females with an error for too few foods per day
TFEM	Num	Number of males with an error for too few foods per day
TFWF	Num	Number of females with a warning for too few foods per day
TFWM	Num	Number of males with a warning for too few foods per day
TMEF	Num	Number of females with an error for too many foods per day
TMEM	Num	Number of males with an error for too many foods per day
WarnQues	Num	Number of questionnaires with warnings

Data Set : GROUPS

Description : Contains food group information.

Variables :

GFix	Num	Fix Group Setting
GM(n)	Num	Food IDs of group members.
GNumMems	Num	Number of members in group. Upper index for GM(n)
GName	Char	Group Name
GP2Rpt	Num	Print to Report?
GReaslim	Num	Group Reasonable Limit (daily)
GRecRng	Char	Group Recommended Range Text

Data Set : INDIVIDS

Description : Results from each individual respondent analyzed.

Variables :

AgeCode	Char	Can be actual age or age code
AmtWghtCh	Char	Amount of weight change code
BA_Carb	Num	Daily Estimate of Carbohydrate - Before (excluding) Alcohol
BA_KCal	Num	Daily Estimate of Calories - Before (excluding) Alcohol
BA_Niac	Num	Daily Estimate of Niacin - Before (excluding) Alcohol
BA_Phos	Num	Daily Estimate of Phosphorus - Before (excluding) Alcohol
BA_Potas	Num	Daily Estimate of Potassium - Before (excluding) Alcohol
BA_Prot	Num	Daily Estimate of Protein - Before (excluding) Alcohol
BA_Ribo	Num	Daily Estimate of Riboflavin - Before (excluding) Alcohol
BA_TFat	Num	Daily Estimate of Total Fat - Before (excluding) Alcohol
BA_PCarb	Num	Percent of Calories from Carbohydrate - Before (excluding) Alcoholic Beverages
BA_PFat	Num	Percent of Calories from Fat - Before (excluding) Alcoholic Beverages

BA_PProt	Num	Percent of Calories from Protein - Before (excluding) Alcoholic Beverages
DT_A_IU	Num	Daily Dietary Estimates of Vit A (IU)
DT_A_RE	Num	Daily Dietary Estimates of Vit A (RE)
DT_ACar	Num	Daily Dietary Estimates of Alpha-Carotene
DT_AnZn	Num	Daily Dietary Estimates of Zinc from Animals
DT_BCar	Num	Daily Dietary Estimates of Beta Carotene
DT_B1	Num	Daily Dietary Estimates of Thiamin
DT_B6	Num	Daily Dietary Estimates of Vit B6
DT_Calc	Num	Daily Dietary Estimates of Calcium
DT_Carb	Num	Daily Dietary Estimates of Carbohydrates
DT_Chol	Num	Daily Dietary Estimates of Cholesterol
DT_Cryp	Num	Daily Dietary Estimates of Crypto-xanthin
DT_DFib	Num	Daily Dietary Estimates of Dietary fiber
DT_Fat	Num	Daily Dietary Estimates of Fat
DT_Fe	Num	Daily Dietary Estimates of Iron
DT_Fol	Num	Daily Dietary Estimates of Folate
DT_KCal	Num	Daily Dietary Estimates of Calories
DT_Lin	Num	Daily Dietary Estimates of Linoleic Acid
DT_Lut	Num	Daily Dietary Estimates of Lutein
DT_Lyc	Num	Daily Dietary Estimates of Lycopene
DT_Mg	Num	Daily Dietary Estimates of Magnesium
DT_Na	Num	Daily Dietary Estimates of Sodium
DT_Niac	Num	Daily Dietary Estimates of Niacin
DT_Olec	Num	Daily Dietary Estimates of Oleic Acid
DT_Phos	Num	Daily Dietary Estimates of Phosphorus
DT_Pota	Num	Daily Dietary Estimates of Potassium
DT_ProA	Num	Daily Dietary Estimates of Pro-A Carotenes
DT_Prot	Num	Daily Dietary Estimates of Protein
DT_Ret	Num	Daily Dietary Estimates of Retinol
DT_Ribo	Num	Daily Dietary Estimates of Riboflavin
DT_SFat	Num	Daily Dietary Estimates of Saturated Fat
DT_VitC	Num	Daily Dietary Estimates of Vit C
DT_VitE	Num	Daily Dietary Estimates of Vit E
DT_Zinc	Num	Daily Dietary Estimates of Zinc
FibBean	Num	Daily Fiber from Beans
FibGrain	Num	Daily Fiber from Grains
FibVegFr	Num	Daily Fiber from Vegetables/Fruit
GramsSF	Num	Grams of Solid Food (per day)
GrpFrq(n)	Num	1-20, Daily Group Frequency
GrpGrm(n)	Num	1-20, Daily Grams Intake
GrpMon(n)	Num	1-20, Monthly Variability Count
GrpWk(n)	Num	1-20, Weekly Variability Count
Height	Num	Height in inches
ID	Char	Respondent ID
IS_A_IU	Num	Daily Estimate of Vitamin A (IU) - In Season
IS_A_RE	Num	Daily Estimate of Vitamin A (RE) - In Season
IS_ACar	Num	Daily Estimate of Alpha-Carotene - In Season
IS_BCar	Num	Daily Estimate of Beta-Carotene - In Season
IS_Cryp	Num	Daily Estimate of Cryptoxanthin - In Season
IS_DFib	Num	Daily Estimate of Dietary Fiber - In Season
IS_Fol	Num	Daily Estimate of Folate - In Season
IS_Lut	Num	Daily Estimate of Lutein - In Season
IS_Lyc	Num	Daily Estimate of Lycopene - In Season

IS_ProA	Num	Daily Estimate of Pro-A Carotene - In Season
IS_Ret	Num	Daily Estimate of Retinol - In Season
IS_VitC	Num	Daily Estimate of Vitamin C - In Season
Name	Char	Individual's name
NumImp	Num	Number of Imputed (vitamin supplements)
TopID(n)	Num	TopSources Nutrient IDs
Top1FD(n)	Num	Food IDs, the highest contributors of each TopSources Nutrient in TopID
Top1NV(n)	Num	Nutrient Values for each of the highest foods (contributors to TopSources Nutrs)
Top2FD(n)	Num	Food IDs, the 2nd highest contributor of each TopSources Nutrient in TopID
Top2NV(n)	Num	Nutrient Values for each of the 2nd highest foods
Top3FD(n)	Num	Food IDs, the 3rd highest contributor of each TopSources Nutrient in TopID
Top3NV(n)	Num	Nutrient Values for each of the 3rd highest foods
OthVita	Num	Other Vitamin Response Code
Outlier1	Char	Outlier Flag - Not using Recalc Values
Outlier2	Char	After Recalc Outlier
PctAlch	Num	Percent of calories from alcohol
PctCarb	Num	Percent of calories from carbohydrate
PctFat	Num	Percent of calories from fat
PctProt	Num	Percent of calories from protein
PctSweet	Num	Percent of calories from sweets
Sex	Char	Sex
SpcDiet1	Char	Special diet code 1
SpcDiet2	Char	Special diet code 2
Sup_BCar	Num	Daily Supplemental Estimates of Beta Carotene
Sup_B1	Num	Daily Supplemental Estimates of Thiamin
Sup_B6	Num	Daily Supplemental Estimates of B6
Sup_B12	Num	Daily Supplemental Estimates of B12
Sup_Ca	Num	Daily Supplemental Estimates of Calcium
Sup_Cu	Num	Daily Supplemental Estimates of Copper
Sup_Fe	Num	Daily Supplemental Estimates of Iron
Sup_Fol	Num	Daily Supplemental Estimates of Folate
Sup_VitA	Num	Daily Supplemental Estimates of Vit A
Sup_VitC	Num	Daily Supplemental Estimates of Vit C
Sup_VitD	Num	Daily Supplemental Estimates of Vit D
Sup_VitE	Num	Daily Supplemental Estimates of Vit E
Sup_Zinc	Num	Daily Supplemental Estimates of Zinc
Weight	Num	Respondent's reported weight in pounds