

## The CONTENTS Procedure

Data Set Name	LIMITED.TABLE2	Observations	695
Member Type	DATA	Variables	53
Engine	V9	Indexes	0
Created	Tuesday, January 28, 2014 10:35:03 AM	Observation Length	424
Last Modified	Tuesday, January 28, 2014 10:35:03 AM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_64		
Encoding	wlatin1 Western (Windows)		

## Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	19
First Data Page	1
Max Obs per Page	38
Obs in First Data Page	21
Number of Data Set Repairs	0
Filename	e:\nash\alt\adult\limited use dataset\table2.sas7bdat
Release Created	9.0301M0
Host Created	X64_7PRO

## Alphabetic List of Variables and Attributes

# Variable Type Len Label

27	acanth	Num	8	Acanthosis nigricans 0=neg 1=pos
28	acanthn	Num	8	Acanthosis nigricans severity score
20	age	Num	8	Age - yrs
11	alb	Num	8	Albumin - g/dL
4	alka	Num	8	Alkaline phosphatase - U/L
43	alkaiso	Num	8	Isolated Alkaline phosphatase 0=no 1=yes
3	alt	Num	8	AST - U/L
53	altu1n1	Num	8	Abnormal AST 0=no 1=yes
31	ama	Num	8	AMA 0=neg 1=pos
29	ana	Num	8	ANA 0=neg 1=pos
51	anaasma	Num	8	ANA and ASMA 0=one or both neg 1=both pos
38	anycirrh	Num	8	Cirrhosis 0=no 1=yes
30	asma	Num	8	ASMA 0=neg 1=pos
2	ast	Num	8	AST - U/L
52	astu1n1	Num	8	Abnormal AST 0=no 1=yes
6	bilid	Num	8	Bilirubin, direct - mg/dL
5	bilit	Num	8	Bilirubin, total - mg/dL
24	bmi	Num	8	Body Mass Index - kg/m2
15	chol	Num	8	Total cholesterol - mg/dL

## The CONTENTS Procedure

## Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
36	defnash	Num	8	Definite NASH 0=no 1=yes
33	diab2	Num	8	Type 2 diabetes 0=no 1=yes
32	ferr	Num	8	Ferritin ng/mL
7	ggt	Num	8	GGT - U/L
44	glob	Num	8	Globulin - g/dL
9	gluc	Num	8	Glucose mg/dL label
19	hba1c	Num	8	HbA1c - %
17	hdl	Num	8	HDL cholesterol - mg/dL
12	hema	Num	8	Hematocrit - %
22	hispanic	Num	8	Hispanic ethnicity 0=no 1=yes
42	homa	Num	8	HOMA-IR - mg/dL/uU/mL/405
34	htn	Num	8	Hypertension 0=no 1=yes
48	iball	Num	8	Any inflammation 0=no 1=yes
1	id	Char	4	Adult Database Limited use dataset ID number
37	ifibro	Num	8	Fibrosis score 0=none 1=mild/mod 2=bridge 3=cirrh
45	igrade	Num	8	Steatosis>=34% 0=no 1=yes
46	iinflam	Num	8	Lobular inflammation>=grade 2 0=no 1=yes label
49	inas	Num	8	NAS>=5 0=no 1=yes
8	inr	Num	8	International normalized ratio
10	insu	Num	8	Insulin uU/mL
47	iportal	Num	8	Portal inflammation>mild 0=no 1=yes label
18	ldl	Num	8	LDL cholesterol - mg/dL
39	leng10	Num	8	Biopsy length 0=<10mm 1=10+mm
21	male	Num	8	Male gender 0=no 1=yes
40	mallory	Num	8	Mallory bodies 0=no 1=yes
50	meta	Num	8	Metabolic syndrome 0=no 1=yes
35	nfibro	Num	8	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh
14	plat	Num	8	Platelets - 1000/mm3
41	ratio	Num	8	AST/ALT ratio
16	tri	Num	8	Triglycerides - mg/dL
25	waist	Num	8	Waist circumference - cm
13	wbc	Num	8	White blood cell - 1000/mm3
23	white	Num	8	White race 0=no 1=yes
26	wthip	Num	8	Waist to hip ratio

## The FREQ Procedure

Male gender 0=no 1=yes

male	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	426	61.29	426	61.29
1	269	38.71	695	100.00

White race 0=no 1=yes

white	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	135	19.42	135	19.42
1	560	80.58	695	100.00

Hispanic ethnicity 0=no 1=yes

hispanic	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	599	86.19	599	86.19
1	96	13.81	695	100.00

Hypertension 0=no 1=yes

htn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	390	56.12	390	56.12
1	305	43.88	695	100.00

Type 2 diabetes 0=no 1=yes

diab2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	541	77.84	541	77.84
1	154	22.16	695	100.00

## The FREQ Procedure

Metabolic syndrome 0=no 1=yes

meta	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	258	37.89	258	37.89
1	423	62.11	681	100.00

Frequency Missing = 14

Acanthosis nigricans 0=neg 1=pos

acanth	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	601	86.47	601	86.47
1	94	13.53	695	100.00

Cirrhosis 0=no 1=yes

anycirrh	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	634	91.22	634	91.22
1	61	8.78	695	100.00

Abnormal AST 0=no 1=yes

astuln1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	363	52.23	363	52.23
1	332	47.77	695	100.00

Abnormal AST 0=no 1=yes

altuln1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	241	34.68	241	34.68
1	454	65.32	695	100.00

## The FREQ Procedure

Isolated Alkaline phosphatase 0=no 1=yes

alkaiso	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	672	96.69	672	96.69
1	23	3.31	695	100.00

ANA 0=neg 1=pos

ana	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	523	75.80	523	75.80
1	167	24.20	690	100.00

Frequency Missing = 5

ASMA 0=neg 1=pos

asma	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	615	90.18	615	90.18
1	67	9.82	682	100.00

Frequency Missing = 13

ANA and ASMA 0=one or both neg 1=both pos

anaasma	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	663	97.21	663	97.21
1	19	2.79	682	100.00

Frequency Missing = 13

## The FREQ Procedure

AMA 0=neg 1=pos

ama	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	641	93.71	641	93.71
1	43	6.29	684	100.00

Frequency Missing = 11

Steatosis&gt;=34% 0=no 1=yes

igrade	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	287	41.29	287	41.29
1	408	58.71	695	100.00

Lobular inflammation&gt;=grade 2 0=no 1=yes label

iinflam	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	358	51.51	358	51.51
1	337	48.49	695	100.00

Portal inflammation&gt;mild 0=no 1=yes label

iportal	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	556	80.00	556	80.00
1	139	20.00	695	100.00

Any inflammation 0=no 1=yes

iball	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	227	32.66	227	32.66
1	468	67.34	695	100.00

## The FREQ Procedure

NAS $\geq$ 5 0=no 1=yes

inas	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	355	51.08	355	51.08
1	340	48.92	695	100.00

Definite NASH 0=no 1=yes

defnash	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	291	41.87	291	41.87
1	404	58.13	695	100.00

Mallory bodies 0=no 1=yes

mallory	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	502	72.23	502	72.23
1	193	27.77	695	100.00

Biopsy length 0= $\leq$ 10mm 1=10+mm

leng10	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	603	87.14	603	87.14
1	89	12.86	692	100.00

Frequency Missing = 3

## The MEANS Procedure

Variable	Label	N
age	Age - yrs	695
acanthn	Acanthosis nigricans severity score	695
bmi	Body Mass Index - kg/m2	690
waist	Waist circumference - cm	685
wthip	Waist to hip ratio	684
ast	AST - U/L	695
alt	AST - U/L	695
ratio	AST/ALT ratio	695
alka	Alkaline phosphatase - U/L	695
ggt	GGT - U/L	682
glob	Globulin - g/dL	693
alb	Albumin - g/dL	694
bilit	Bilirubin, total - mg/dL	695
bilid	Bilirubin, direct - mg/dL	686
inr	International normalized ratio	692
hema	Hematocrit - %	695
wbc	White blood cell - 1000/mm3	695
plat	Platelets - 1000/mm3	695
chol	Total cholesterol - mg/dL	694
hdl	HDL cholesterol - mg/dL	693
ldl	LDL cholesterol - mg/dL	673
tri	Triglycerides - mg/dL	694
hba1c	HbA1c - %	683
gluc	Glucose mg/dL label	694
insu	Insulin uU/mL	684
homa	HOMA-IR - mg/dL/uU/mL/405	684
ferr	Ferritin ng/mL	690
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	693

Variable	Label	Mean
age	Age - yrs	47.6517986
acanthn	Acanthosis nigricans severity score	0.3064748
bmi	Body Mass Index - kg/m2	34.5442753
waist	Waist circumference - cm	109.2460934
wthip	Waist to hip ratio	0.9354282
ast	AST - U/L	55.7654676
alt	AST - U/L	78.4633094
ratio	AST/ALT ratio	0.7892202
alka	Alkaline phosphatase - U/L	87.7309353
ggt	GGT - U/L	73.0175953
glob	Globulin - g/dL	3.0111111
alb	Albumin - g/dL	4.2108069
bilit	Bilirubin, total - mg/dL	0.7585612
bilid	Bilirubin, direct - mg/dL	0.1446064
inr	International normalized ratio	1.0210983
hema	Hematocrit - %	42.4054676



## The MEANS Procedure

Variable	Label	Mean
wbc	White blood cell - 1000/mm3	7.0653237
plat	Platelets - 1000/mm3	244.1741007
chol	Total cholesterol - mg/dL	196.8818444
hdl	HDL cholesterol - mg/dL	43.3650794
ldl	LDL cholesterol - mg/dL	120.7355126
tri	Triglycerides - mg/dL	180.6167147
hba1c	HbA1c - %	5.9732064
gluc	Glucose mg/dL label	103.4870317
insu	Insulin uU/mL	22.7934211
homa	HOMA-IR - mg/dL/uU/mL/405	6.0521294
ferr	Ferritin ng/mL	249.0376812
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	1.5108225

Variable	Label	Std Dev
age	Age - yrs	12.0938772
acanthn	Acanthosis nigricans severity score	0.8802352
bmi	Body Mass Index - kg/m2	6.3910984
waist	Waist circumference - cm	13.6772685
wthip	Waist to hip ratio	0.0783105
ast	AST - U/L	37.2134348
alt	AST - U/L	52.7153852
ratio	AST/ALT ratio	0.3701446
alka	Alkaline phosphatase - U/L	33.0141592
ggt	GGT - U/L	81.2402737
glob	Globulin - g/dL	0.5400498
alb	Albumin - g/dL	0.4014924
bilit	Bilirubin, total - mg/dL	0.4117275
bilid	Bilirubin, direct - mg/dL	0.1293162
inr	International normalized ratio	0.1689842
hema	Hematocrit - %	3.7368056
wbc	White blood cell - 1000/mm3	2.0407782
plat	Platelets - 1000/mm3	69.7163658
chol	Total cholesterol - mg/dL	42.4578955
hdl	HDL cholesterol - mg/dL	11.4624692
ldl	LDL cholesterol - mg/dL	36.6802651
tri	Triglycerides - mg/dL	130.0307547
hba1c	HbA1c - %	1.1228235
gluc	Glucose mg/dL label	33.3173421
insu	Insulin uU/mL	18.4912333
homa	HOMA-IR - mg/dL/uU/mL/405	5.8603323
ferr	Ferritin ng/mL	283.7714462
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	1.2603151

## The MEANS Procedure

Variable	Label	Minimum
age	Age - yrs	18.0000000
acanthn	Acanthosis nigricans severity score	0
bmi	Body Mass Index - kg/m2	19.9521293
waist	Waist circumference - cm	71.5000000
wthip	Waist to hip ratio	0.7009610
ast	AST - U/L	12.0000000
alt	AST - U/L	9.0000000
ratio	AST/ALT ratio	0.1363636
alka	Alkaline phosphatase - U/L	0
ggt	GGT - U/L	5.0000000
glob	Globulin - g/dL	1.7000000
alb	Albumin - g/dL	2.9000000
bilit	Bilirubin, total - mg/dL	0.1000000
bilid	Bilirubin, direct - mg/dL	0
inr	International normalized ratio	0.8000000
hema	Hematocrit - %	28.0000000
wbc	White blood cell - 1000/mm3	2.7000000
plat	Platelets - 1000/mm3	58.0000000
chol	Total cholesterol - mg/dL	62.0000000
hdl	HDL cholesterol - mg/dL	13.0000000
ldl	LDL cholesterol - mg/dL	12.0000000
tri	Triglycerides - mg/dL	18.0000000
hba1c	HbA1c - %	4.1000000
gluc	Glucose mg/dL label	49.0000000
insu	Insulin uU/mL	1.0000000
homa	HOMA-IR - mg/dL/uU/mL/405	0.1703704
ferr	Ferritin ng/mL	4.0000000
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	0

Variable	Label	Maximum
age	Age - yrs	76.0000000
acanthn	Acanthosis nigricans severity score	4.0000000
bmi	Body Mass Index - kg/m2	59.4847863
waist	Waist circumference - cm	147.9550000
wthip	Waist to hip ratio	1.1904762
ast	AST - U/L	342.0000000
alt	AST - U/L	444.0000000
ratio	AST/ALT ratio	4.8055556
alka	Alkaline phosphatase - U/L	318.0000000
ggt	GGT - U/L	843.0000000
glob	Globulin - g/dL	5.5000000
alb	Albumin - g/dL	5.3000000
bilit	Bilirubin, total - mg/dL	3.2000000
bilid	Bilirubin, direct - mg/dL	2.0000000
inr	International normalized ratio	3.4000000
hema	Hematocrit - %	53.6000000

## The MEANS Procedure

Variable	Label	Maximum
wbc	White blood cell - 1000/mm3	17.9000000
plat	Platelets - 1000/mm3	467.0000000
chol	Total cholesterol - mg/dL	404.0000000
hdl	HDL cholesterol - mg/dL	95.0000000
ldl	LDL cholesterol - mg/dL	246.0000000
tri	Triglycerides - mg/dL	1846.00
hba1c	HbA1c - %	12.0000000
gluc	Glucose mg/dL label	341.0000000
insu	Insulin uU/mL	257.9000000
homa	HOMA-IR - mg/dL/uU/mL/405	66.2261728
ferr	Ferritin ng/mL	2267.00
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	4.0000000