

## The CONTENTS Procedure

Data Set Name	LIMITED.TABLE4	Observations	621
Member Type	DATA	Variables	52
Engine	V9	Indexes	0
Created	Tuesday, January 28, 2014 10:37:00 AM	Observation Length	416
Last Modified	Tuesday, January 28, 2014 10:37:00 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	17
First Data Page	1
Max Obs per Page	39
Obs in First Data Page	22
Number of Data Set Repairs	0
Filename	e:\nash\alt\adult\limited use dataset\table4.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
42	alkaiso	Num	8	Isolated Alkaline phosphatase 0=no 1=yes
3	alt	Num	8	AST - U/L
52	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
50	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
51	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
43	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
41	homa	Num	8	HOMA-IR - mg/dL/uU/mL/405
34	htn	Num	8	Hypertension 0=no 1=yes
47	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
44	igrade	Num	8	Steatosis>=34% 0=no 1=yes
45	iinflam	Num	8	Lobular inflammation>=grade 2 0=no 1=yes label
48	inas	Num	8	NAS>=5 0=no 1=yes
8	inr	Num	8	International normalized ratio
10	insu	Num	8	Insulin uU/mL
46	iportal	Num	8	Portal inflammation>mild 0=no 1=yes label
18	ldl	Num	8	LDL cholesterol - mg/dL
21	male	Num	8	Male gender 0=no 1=yes
39	mallory	Num	8	Mallory bodies 0=no 1=yes
49	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
40	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	386	62.16	386	62.16
1	235	37.84	621	100.00

White race 0=no 1=yes

white	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	122	19.65	122	19.65
1	499	80.35	621	100.00

Hispanic ethnicity 0=no 1=yes

hispanic	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	537	86.47	537	86.47
1	84	13.53	621	100.00

Hypertension 0=no 1=yes

htn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	351	56.52	351	56.52
1	270	43.48	621	100.00

Type 2 diabetes 0=no 1=yes

diab2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	482	77.62	482	77.62
1	139	22.38	621	100.00

## The FREQ Procedure

Metabolic syndrome 0=no 1=yes

meta	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	242	38.97	242	38.97
1	379	61.03	621	100.00

Acanthosis nigricans 0=neg 1=pos

acanth	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	536	86.31	536	86.31
1	85	13.69	621	100.00

Cirrhosis 0=no 1=yes

anycirrh	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	566	91.14	566	91.14
1	55	8.86	621	100.00

Abnormal AST 0=no 1=yes

astuln1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	331	53.30	331	53.30
1	290	46.70	621	100.00

Abnormal AST 0=no 1=yes

altuln1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	222	35.75	222	35.75
1	399	64.25	621	100.00

## The FREQ Procedure

Isolated Alkaline phosphatase 0=no 1=yes

alkaiso	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	598	96.30	598	96.30
1	23	3.70	621	100.00

ANA 0=neg 1=pos

ana	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	467	75.20	467	75.20
1	154	24.80	621	100.00

ASMA 0=neg 1=pos

asma	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	562	90.50	562	90.50
1	59	9.50	621	100.00

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

anaasma	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	605	97.42	605	97.42
1	16	2.58	621	100.00

AMA 0=neg 1=pos

ama	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	584	94.04	584	94.04
1	37	5.96	621	100.00

## The FREQ Procedure

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

igrade	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	254	40.90	254	40.90
1	367	59.10	621	100.00

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

iinflam	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	313	50.40	313	50.40
1	308	49.60	621	100.00

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

iportal	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	498	80.19	498	80.19
1	123	19.81	621	100.00

Any inflammation 0=no 1=yes

iball	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	201	32.37	201	32.37
1	420	67.63	621	100.00

NAS&gt;=5 0=no 1=yes

inas	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	313	50.40	313	50.40
1	308	49.60	621	100.00

## The FREQ Procedure

Definite NASH 0=no 1=yes

defnash	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	260	41.87	260	41.87
1	361	58.13	621	100.00

Mallory bodies 0=no 1=yes

mallory	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	447	71.98	447	71.98
1	174	28.02	621	100.00

## The MEANS Procedure

Variable	Label	N
age	Age - yrs	621
acanthn	Acanthosis nigricans severity score	621
bmi	Body Mass Index - kg/m2	621
waist	Waist circumference - cm	621
wthip	Waist to hip ratio	621
ast	AST - U/L	621
alt	AST - U/L	621
ratio	AST/ALT ratio	621
alka	Alkaline phosphatase - U/L	621
ggt	GGT - U/L	621
glob	Globulin - g/dL	621
alb	Albumin - g/dL	621
bilit	Bilirubin, total - mg/dL	621
bilid	Bilirubin, direct - mg/dL	621
inr	International normalized ratio	621
hema	Hematocrit - %	621
wbc	White blood cell - 1000/mm3	621
plat	Platelets - 1000/mm3	621
chol	Total cholesterol - mg/dL	621
hdl	HDL cholesterol - mg/dL	621
ldl	LDL cholesterol - mg/dL	621
tri	Triglycerides - mg/dL	621
hba1c	HbA1c - %	621
gluc	Glucose mg/dL label	621
insu	Insulin uU/mL	621
homa	HOMA-IR - mg/dL/uU/mL/405	621
ferr	Ferritin ng/mL	621
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	619

Variable	Label	Mean
age	Age - yrs	48.0257649
acanthn	Acanthosis nigricans severity score	0.3059581
bmi	Body Mass Index - kg/m2	34.5976043
waist	Waist circumference - cm	109.1699839
wthip	Waist to hip ratio	0.9337495
ast	AST - U/L	56.0016103
alt	AST - U/L	77.6843800
ratio	AST/ALT ratio	0.7971178
alka	Alkaline phosphatase - U/L	87.2914654
ggt	GGT - U/L	71.8325282
glob	Globulin - g/dL	3.0067633
alb	Albumin - g/dL	4.2053140
bilit	Bilirubin, total - mg/dL	0.7528180
bilid	Bilirubin, direct - mg/dL	0.1452496
inr	International normalized ratio	1.0230274
hema	Hematocrit - %	42.3222222



## The MEANS Procedure

Variable	Label	Mean
wbc	White blood cell - 1000/mm3	7.0595813
plat	Platelets - 1000/mm3	244.3752013
chol	Total cholesterol - mg/dL	195.9162641
hdl	HDL cholesterol - mg/dL	43.8695652
ldl	LDL cholesterol - mg/dL	121.1465378
tri	Triglycerides - mg/dL	166.9066023
hba1c	HbA1c - %	5.9740741
gluc	Glucose mg/dL label	103.5072464
insu	Insulin uU/mL	22.5888889
homa	HOMA-IR - mg/dL/uU/mL/405	5.9998879
ferr	Ferritin ng/mL	242.5797101
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	1.5428110

Variable	Label	Std Dev
age	Age - yrs	11.9436572
acanthn	Acanthosis nigricans severity score	0.8779264
bmi	Body Mass Index - kg/m2	6.3966962
waist	Waist circumference - cm	13.6540830
wthip	Waist to hip ratio	0.0791954
ast	AST - U/L	38.0486318
alt	AST - U/L	52.5859073
ratio	AST/ALT ratio	0.3707549
alka	Alkaline phosphatase - U/L	33.3378174
ggt	GGT - U/L	79.9404071
glob	Globulin - g/dL	0.5358918
alb	Albumin - g/dL	0.4039172
bilit	Bilirubin, total - mg/dL	0.4059389
bilid	Bilirubin, direct - mg/dL	0.1300030
inr	International normalized ratio	0.1751530
hema	Hematocrit - %	3.7410179
wbc	White blood cell - 1000/mm3	1.9938840
plat	Platelets - 1000/mm3	69.9102602
chol	Total cholesterol - mg/dL	40.4773462
hdl	HDL cholesterol - mg/dL	11.5829710
ldl	LDL cholesterol - mg/dL	36.4098459
tri	Triglycerides - mg/dL	86.4772260
hba1c	HbA1c - %	1.0828670
gluc	Glucose mg/dL label	33.7635329
insu	Insulin uU/mL	18.7249434
homa	HOMA-IR - mg/dL/uU/mL/405	5.9192573
ferr	Ferritin ng/mL	281.5970505
nfibro	Fibrosis score 0=none 1=mild 2=mod 3=bridge 4=cirrh	1.2615906

## 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	0.1666667
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	3.2000000
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 - %	53.1000000

## 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	314.0000000
hdl	HDL cholesterol - mg/dL	95.0000000
ldl	LDL cholesterol - mg/dL	246.0000000
tri	Triglycerides - mg/dL	760.0000000
hba1c	HbA1c - %	11.9000000
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