

Simple data listing (first 5 obs)

SUBJID	FPG	HbA1c	HbA1cIFCC	fastingInsulin	HOMA_B	HOMA_IR	HbA1c3cat
J521969
J558060
J100180	83.00	4.20	22.41	14.00	257.913	2.853	Normal
J100537	92.00	5.20	33.34	11.00	138.988	2.485	Normal
J100757	91.00	5.20	33.34	15.00	196.383	3.352	Normal

HbA1cIFCC3cat	FPG3cat	DMmeds	Diabetes	diab3cat
.
.
Normal	Normal	No	No	Non-Diabetic
Normal	Normal	No	No	Non-Diabetic
Normal	Normal	No	No	Non-Diabetic

Univariate summary stats: categorical

The FREQ Procedure

NGSP Hemoglobin A1c (%) Categorization				
HbA1c3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	210	3.96	210	3.96
Normal	2450	46.17	2660	50.13
At Risk	1731	32.62	4391	82.76
Diabetic	915	17.24	5306	100.00

IFCC Hemoglobin A1c (mmol/mol) Categorization				
HbA1cIFCC3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	210	3.96	210	3.96
Normal	2450	46.17	2660	50.13
At Risk	1731	32.62	4391	82.76
Diabetic	915	17.24	5306	100.00

Fasting Plasma Glucose Categorization				
FPG3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	476	8.97	476	8.97
Normal	3539	66.70	4015	75.67
At Risk	856	16.13	4871	91.80
Diabetic	435	8.20	5306	100.00

Diabetic Medication Status (Y/N)				
DMmeds	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	51	0.96	51	0.96
No	4418	83.26	4469	84.23
Yes	837	15.77	5306	100.00

Univariate summary stats: categorical

The FREQ Procedure

Diabetes Status (ADA 2010)				
Diabetes	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	65	1.23	65	1.23
No	4073	76.76	4138	77.99
Yes	1168	22.01	5306	100.00

Diabetes Categorization				
diab3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	65	1.23	65	1.23
Non-Diabetic	2303	43.40	2368	44.63
Pre-Diabetic	1770	33.36	4138	77.99
Diabetic	1168	22.01	5306	100.00

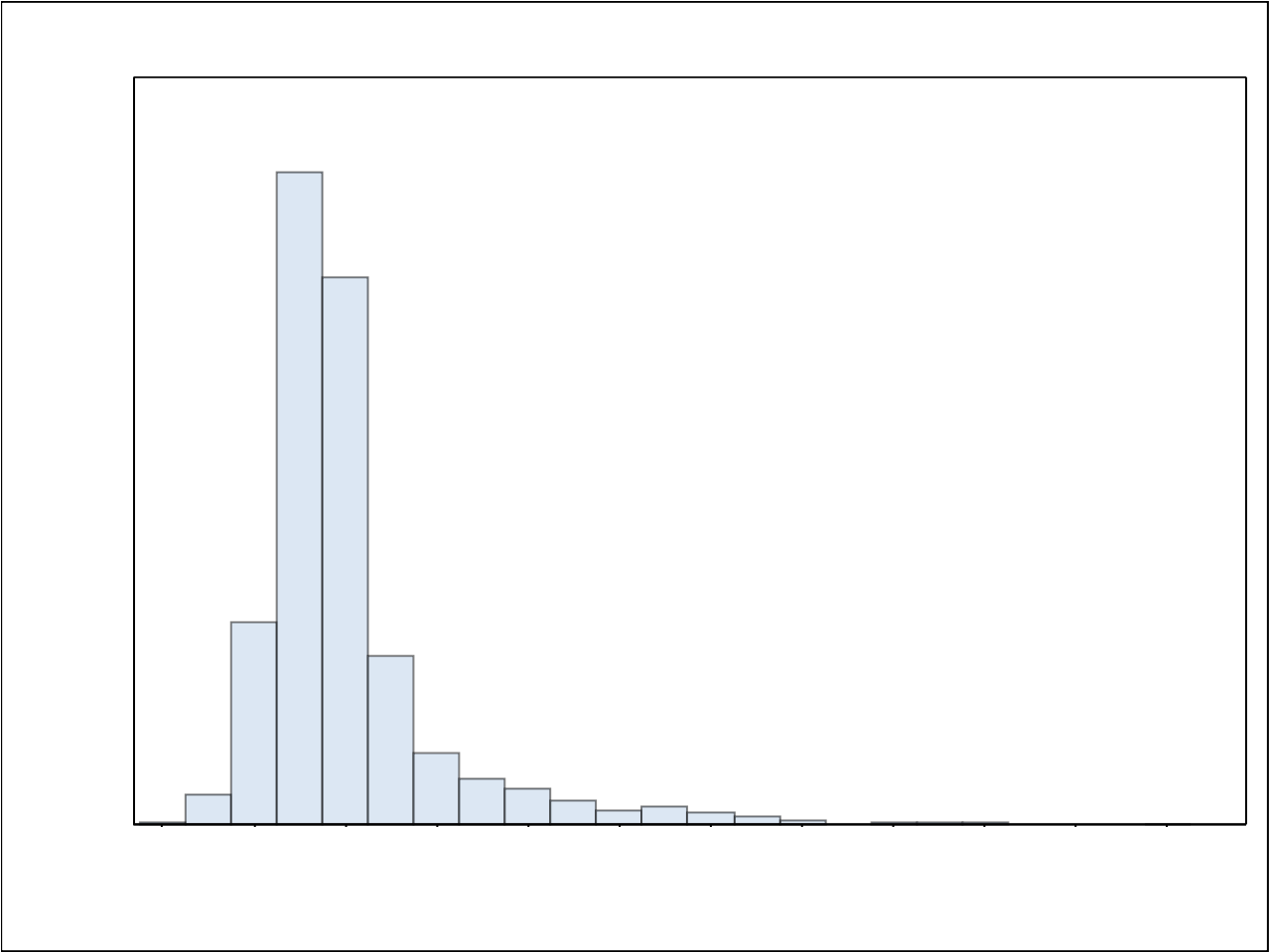
Univariate summary stats: continuous

The MEANS Procedure

Variable	Label	N	N Miss	Mean	Std Dev	Minimum	Maximum
FPG	Fasting Plasma Glucose Level (mg/dL)	4830	476	100.05	33.37	36.00	503.00
HbA1c	NGSP Hemoglobin A1c (%)	5096	210	5.98	1.29	3.60	17.40
HbA1cIFCC	IFCC Hemoglobin A1c (mmol/mol)	5096	210	41.84	14.09	15.85	166.68
fastingInsulin	Fasting Insulin (Plasma IU/mL)	4823	483	18.23	21.21	1.00	981.00
HOMA_B	HOMA-B	3884	1422	221.20	146.44	-4137.14	1884.52
HOMA_IR	HOMA-IR	3884	1422	3.55	2.27	0.18	48.61

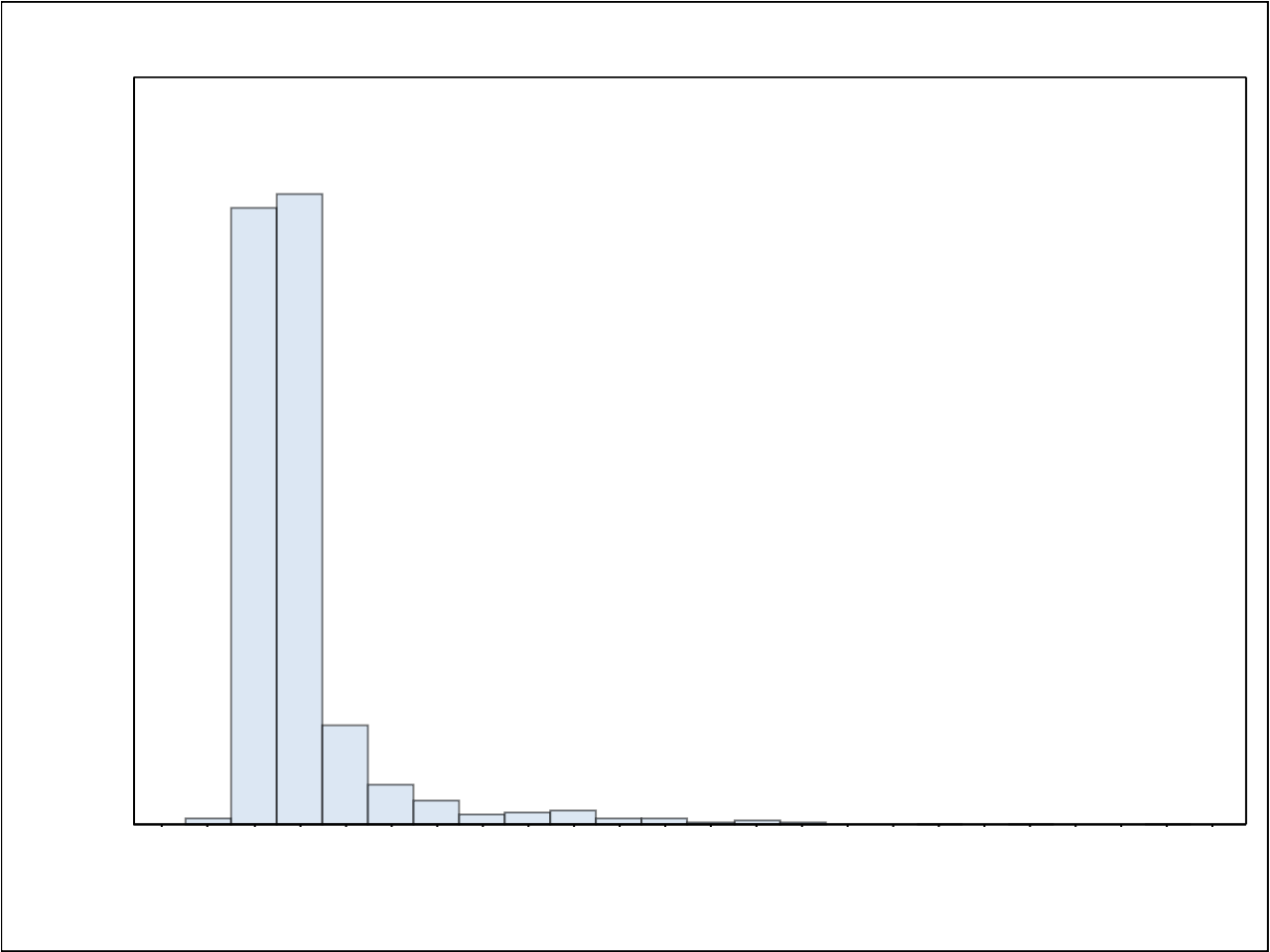
Univariate summary stats: continuous

The UNIVARIATE Procedure



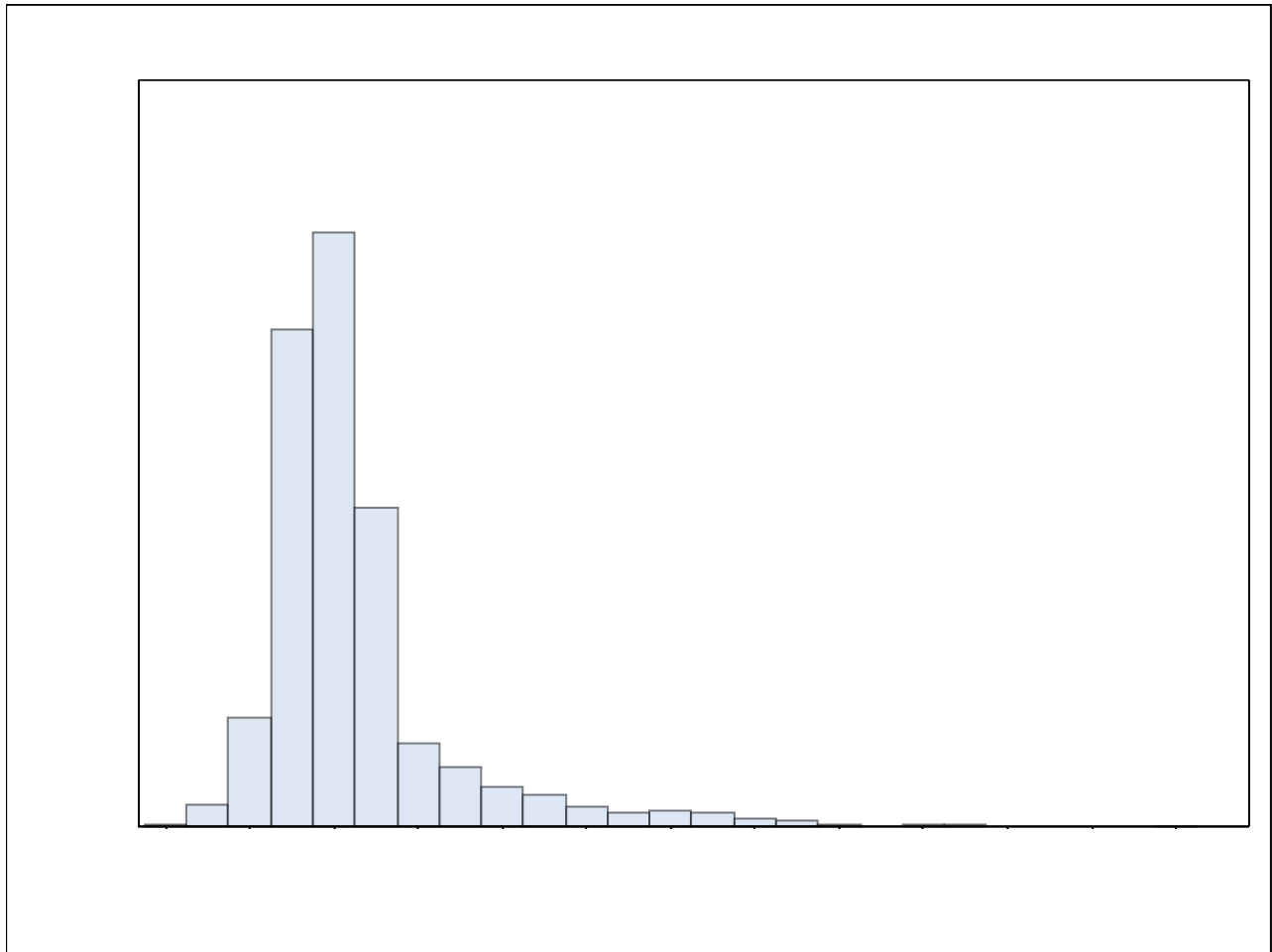
Univariate summary stats: continuous

The UNIVARIATE Procedure



Univariate summary stats: continuous

The UNIVARIATE Procedure



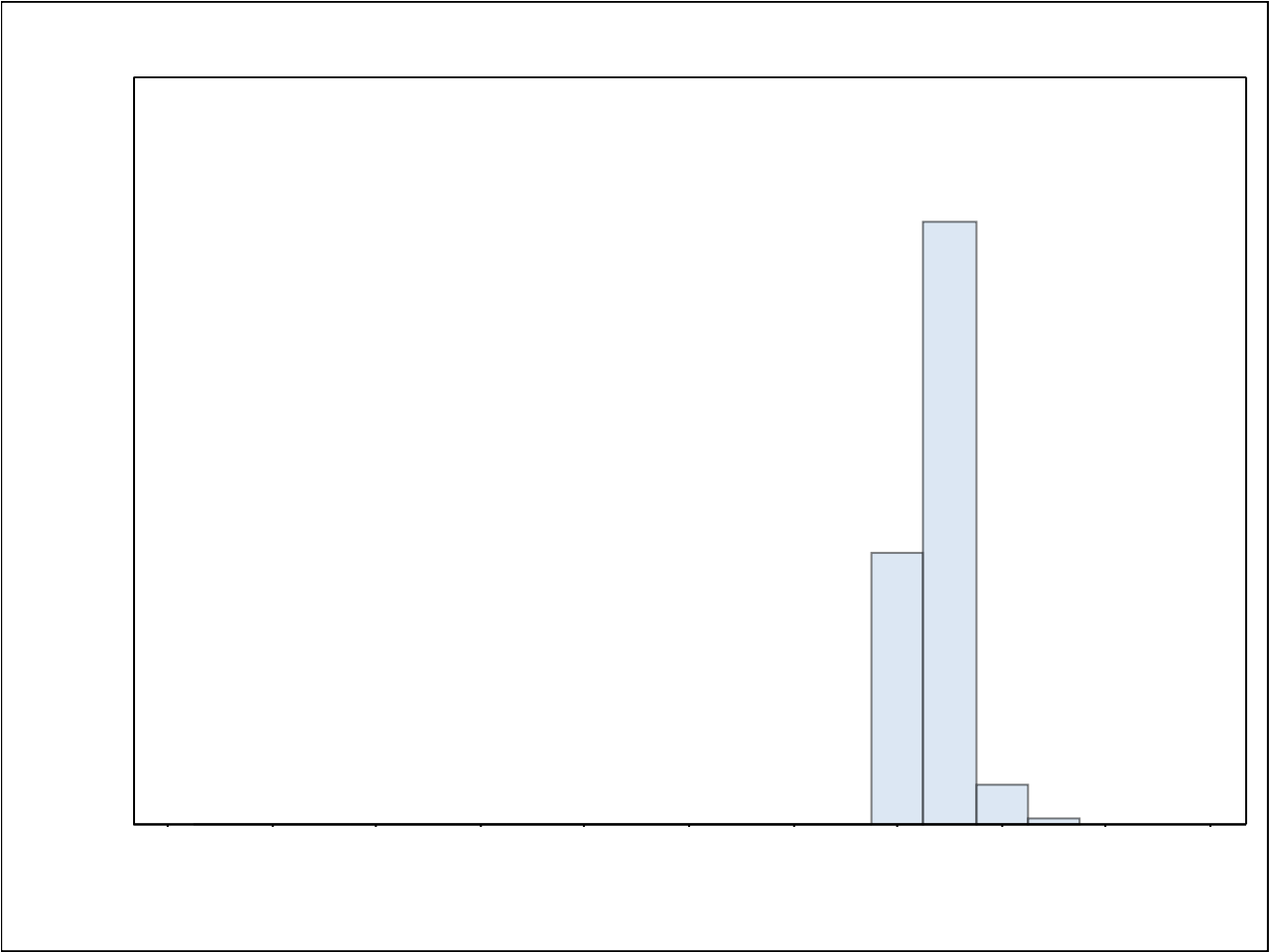
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The UNIVARIATE Procedure



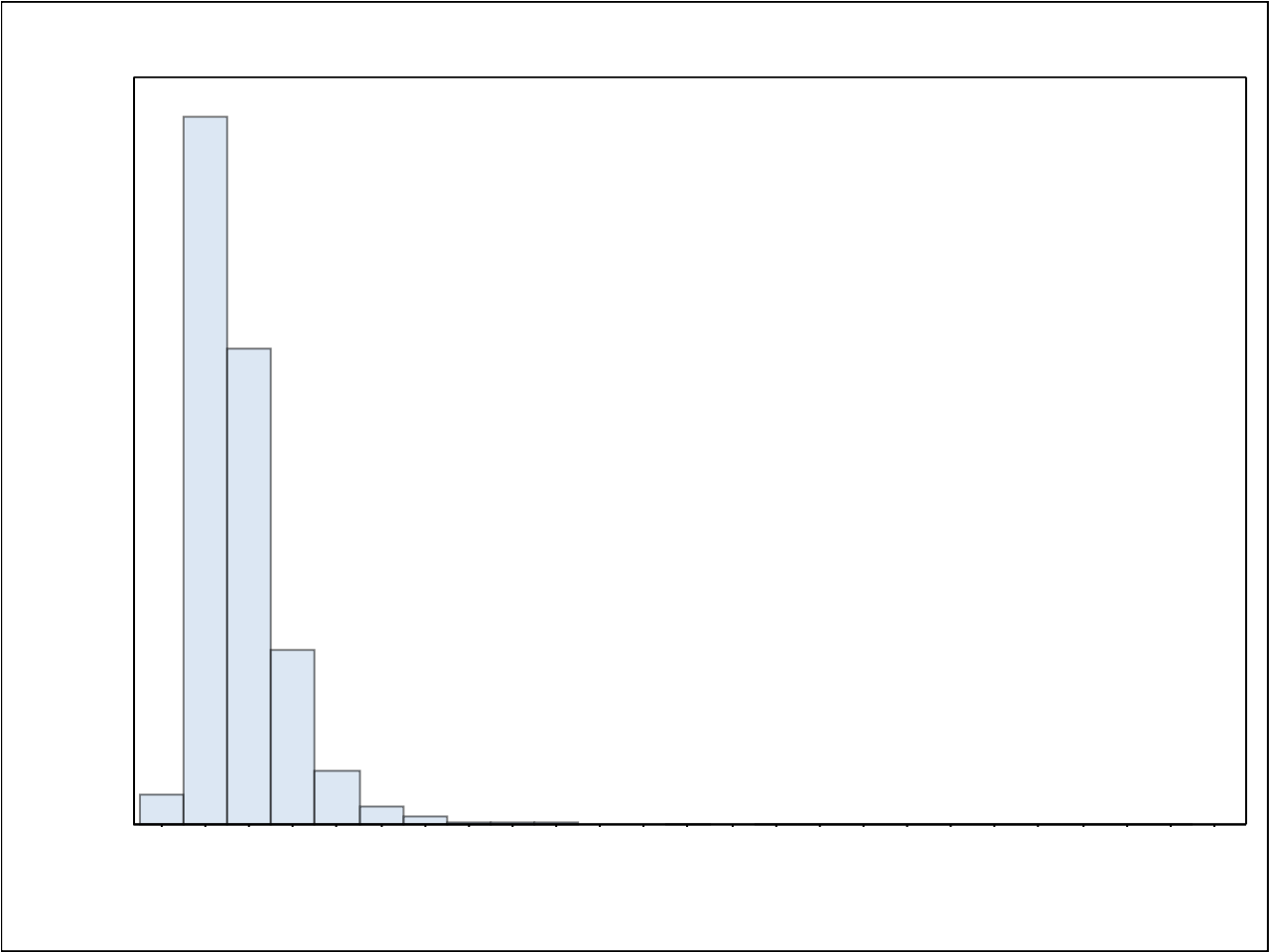
Univariate summary stats: continuous

The UNIVARIATE Procedure

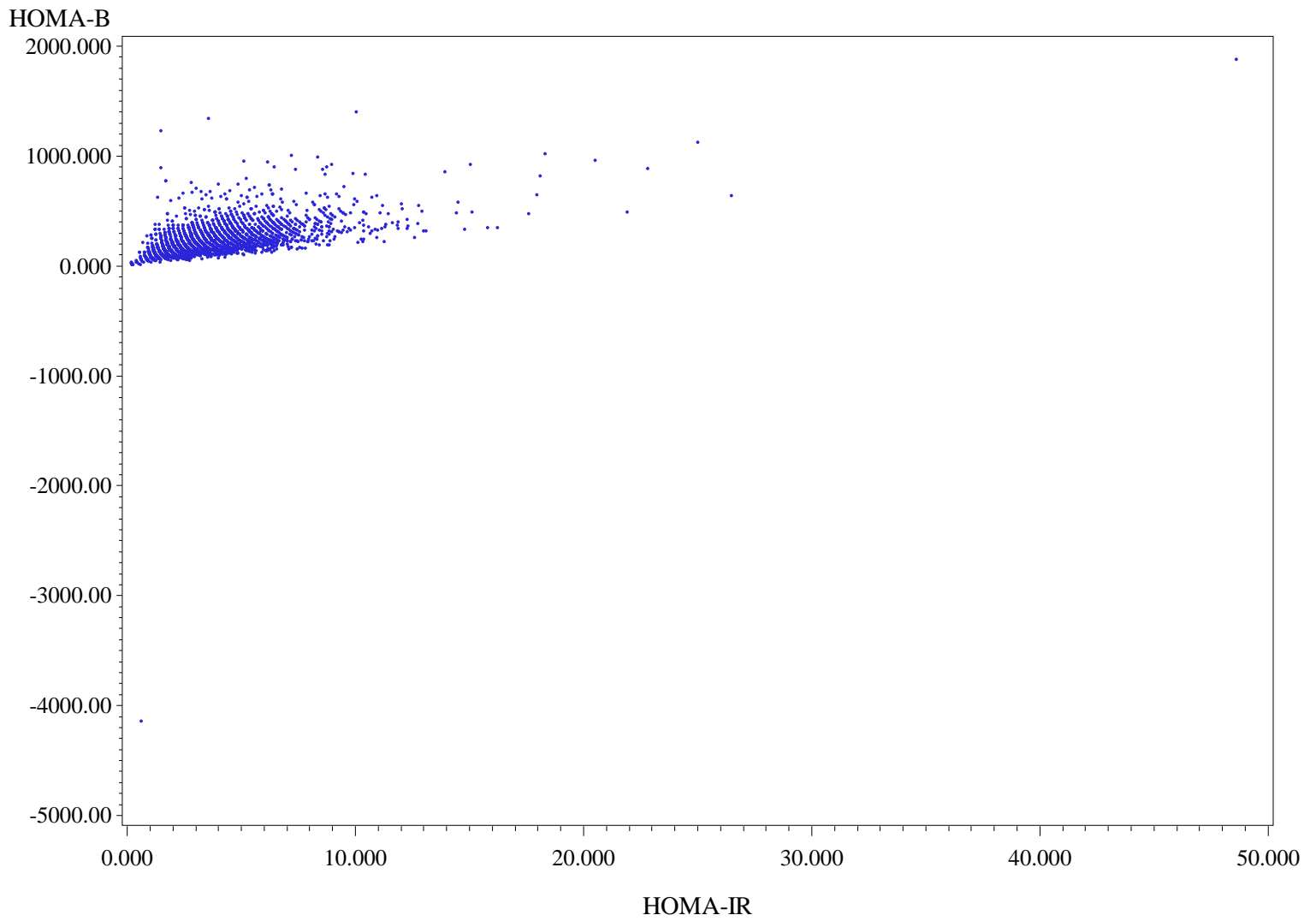


Univariate summary stats: continuous

The UNIVARIATE Procedure



HOMA_B vs. HOMA_IR



HbA1c categories check

The MEANS Procedure

Analysis Variable : HbA1c NGSP Hemoglobin A1c (%%)						
NGSP Hemoglobin A1c (%) Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Normal	2450	2450	5.21	0.35	3.60	5.60
At Risk	1731	1731	5.96	0.21	5.70	6.40
Diabetic	915	915	8.08	1.69	6.50	17.40

HbA1c categories check

The MEANS Procedure

Analysis Variable : FPG Fasting Plasma Glucose Level (mg/dL)						
Fasting Plasma Glucose Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Normal	3539	3539	87.75	6.73	36.00	99.00
At Risk	856	856	108.01	6.92	100.00	125.00
Diabetic	435	435	184.43	58.54	126.00	503.00

HbA1c categories check

The MEANS Procedure

Analysis Variable : HbA1cIFCC IFCC Hemoglobin A1c (mmol/mol)						
IFCC Hemoglobin A1c (mmol/mol) Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Normal	2450	2450	33.41	3.79	15.85	37.71
At Risk	1731	1731	41.63	2.33	38.80	46.45
Diabetic	915	915	64.80	18.43	47.55	166.68

HbA1c categories check

The FREQ Procedure

Table of HbA1c3cat by HbA1cIFCC3cat					
HbA1c3cat(NGSP Hemoglobin A1c (%)) Categorization)	HbA1cIFCC3cat(IFCC Hemoglobin A1c (mmol/mol) Categorization)				
Frequency Percent Row Pct Col Pct		Normal	At Risk	Diabetic	Total
.	210 3.96 100.00 100.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	210 3.96
Normal	0 0.00 0.00 0.00	2450 46.17 100.00 100.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2450 46.17
At Risk	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1731 32.62 100.00 100.00	0 0.00 0.00 0.00	1731 32.62
Diabetic	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	915 17.24 100.00 100.00	915 17.24
Total	210 3.96	2450 46.17	1731 32.62	915 17.24	5306 100.00

Diabetes Vs. HbA1c3cat & FPG3ca & DMmeds

The FREQ Procedure

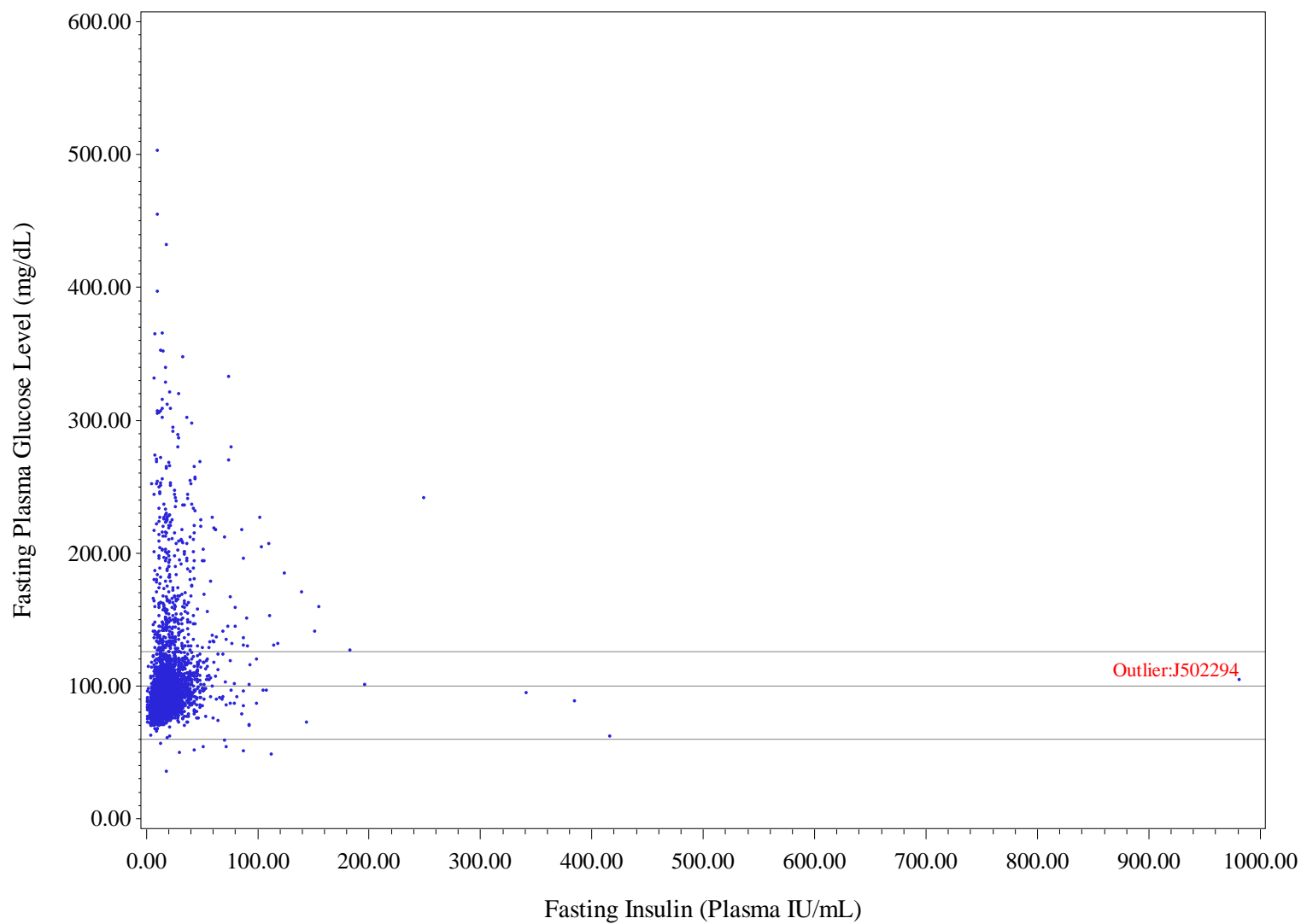
Diabetes	DMmeds	HbA1c3cat	FPG3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	.	.	.	2	0.04	2	0.04
.	No	.	.	63	1.19	65	1.23
No	.	.	Normal	1	0.02	66	1.24
No	.	Normal	.	2	0.04	68	1.28
No	.	Normal	Normal	21	0.40	89	1.68
No	.	Normal	At Risk	3	0.06	92	1.73
No	.	At Risk	.	1	0.02	93	1.75
No	.	At Risk	Normal	12	0.23	105	1.98
No	.	At Risk	At Risk	2	0.04	107	2.02
No	No	.	Normal	80	1.51	187	3.52
No	No	.	At Risk	20	0.38	207	3.90
No	No	Normal	.	98	1.85	305	5.75
No	No	Normal	Normal	2101	39.60	2406	45.34
No	No	Normal	At Risk	167	3.15	2573	48.49
No	No	At Risk	.	64	1.21	2637	49.70
No	No	At Risk	Normal	1125	21.20	3762	70.90
No	No	At Risk	At Risk	376	7.09	4138	77.99
Yes	.	Diabetic	.	1	0.02	4139	78.01
Yes	.	Diabetic	Normal	3	0.06	4142	78.06
Yes	.	Diabetic	At Risk	1	0.02	4143	78.08
Yes	.	Diabetic	Diabetic	2	0.04	4145	78.12
Yes	No	.	Diabetic	3	0.06	4148	78.18
Yes	No	Normal	Diabetic	8	0.15	4156	78.33
Yes	No	At Risk	Diabetic	9	0.17	4165	78.50
Yes	No	Diabetic	.	12	0.23	4177	78.72
Yes	No	Diabetic	Normal	58	1.09	4235	79.82
Yes	No	Diabetic	At Risk	121	2.28	4356	82.10
Yes	No	Diabetic	Diabetic	113	2.13	4469	84.23
Yes	Yes	.	.	23	0.43	4492	84.66
Yes	Yes	.	Normal	4	0.08	4496	84.73
Yes	Yes	.	At Risk	7	0.13	4503	84.87
Yes	Yes	.	Diabetic	7	0.13	4510	85.00
Yes	Yes	Normal	.	12	0.23	4522	85.22

Diabetes Vs. HbA1c3cat & FPG3ca & DMmeds

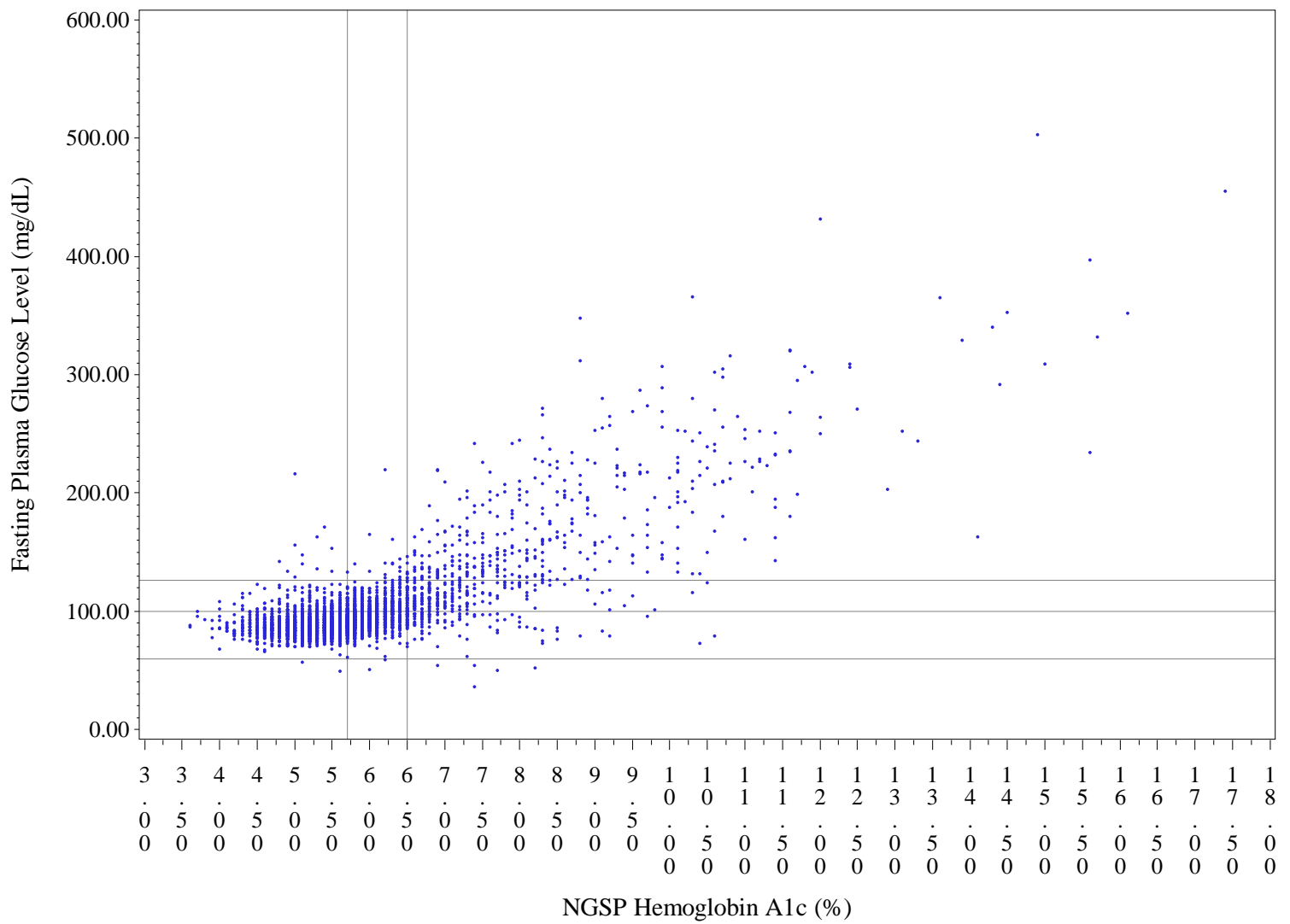
The FREQ Procedure

Diabetes	DMmeds	HbA1c3cat	FPG3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	Yes	Normal	Normal	19	0.36	4541	85.58
Yes	Yes	Normal	At Risk	15	0.28	4556	85.87
Yes	Yes	Normal	Diabetic	4	0.08	4560	85.94
Yes	Yes	At Risk	.	34	0.64	4594	86.58
Yes	Yes	At Risk	Normal	52	0.98	4646	87.56
Yes	Yes	At Risk	At Risk	47	0.89	4693	88.45
Yes	Yes	At Risk	Diabetic	9	0.17	4702	88.62
Yes	Yes	Diabetic	.	164	3.09	4866	91.71
Yes	Yes	Diabetic	Normal	63	1.19	4929	92.89
Yes	Yes	Diabetic	At Risk	97	1.83	5026	94.72
Yes	Yes	Diabetic	Diabetic	280	5.28	5306	100.00

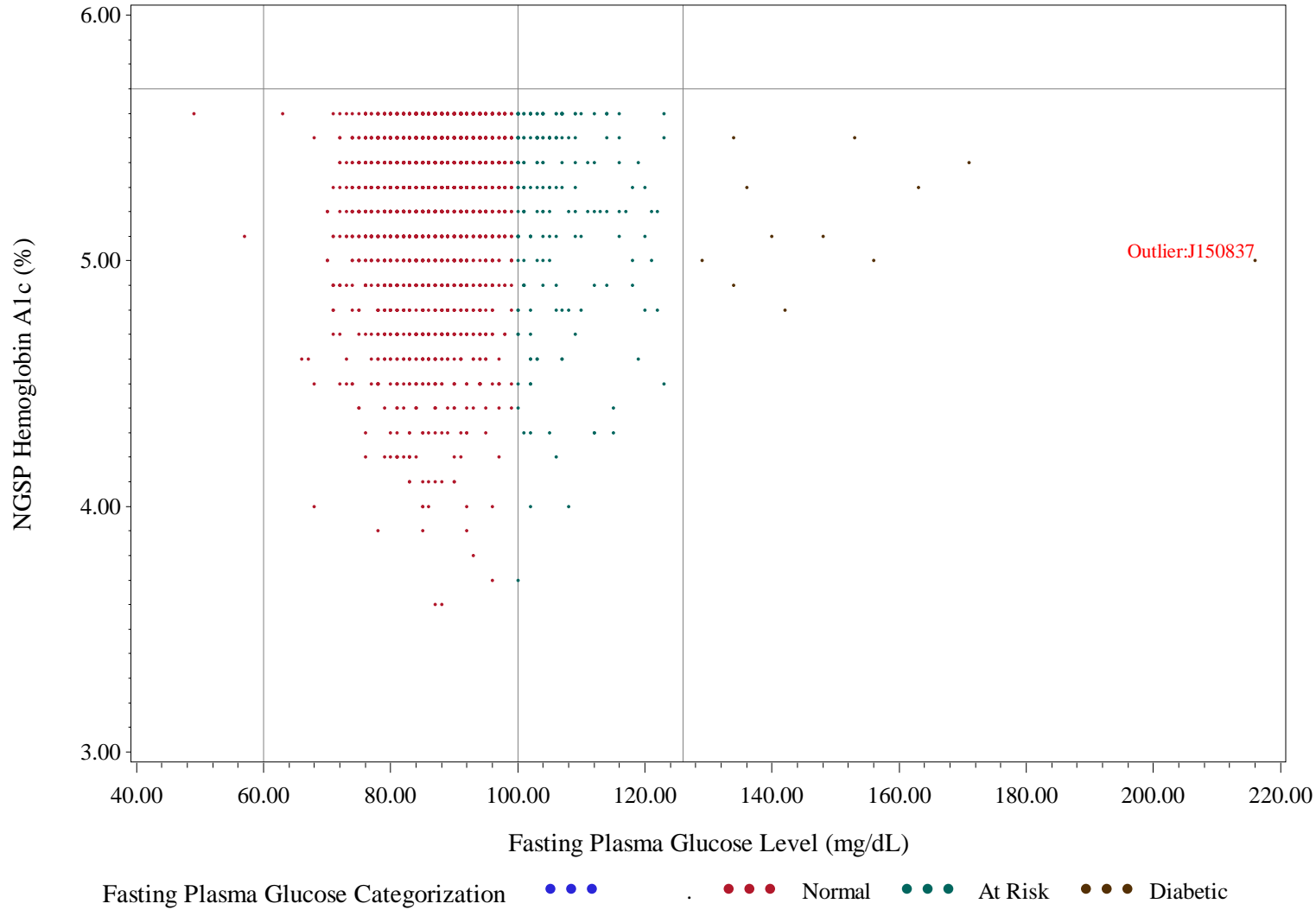
FPG vs Fasting FastingInsulin



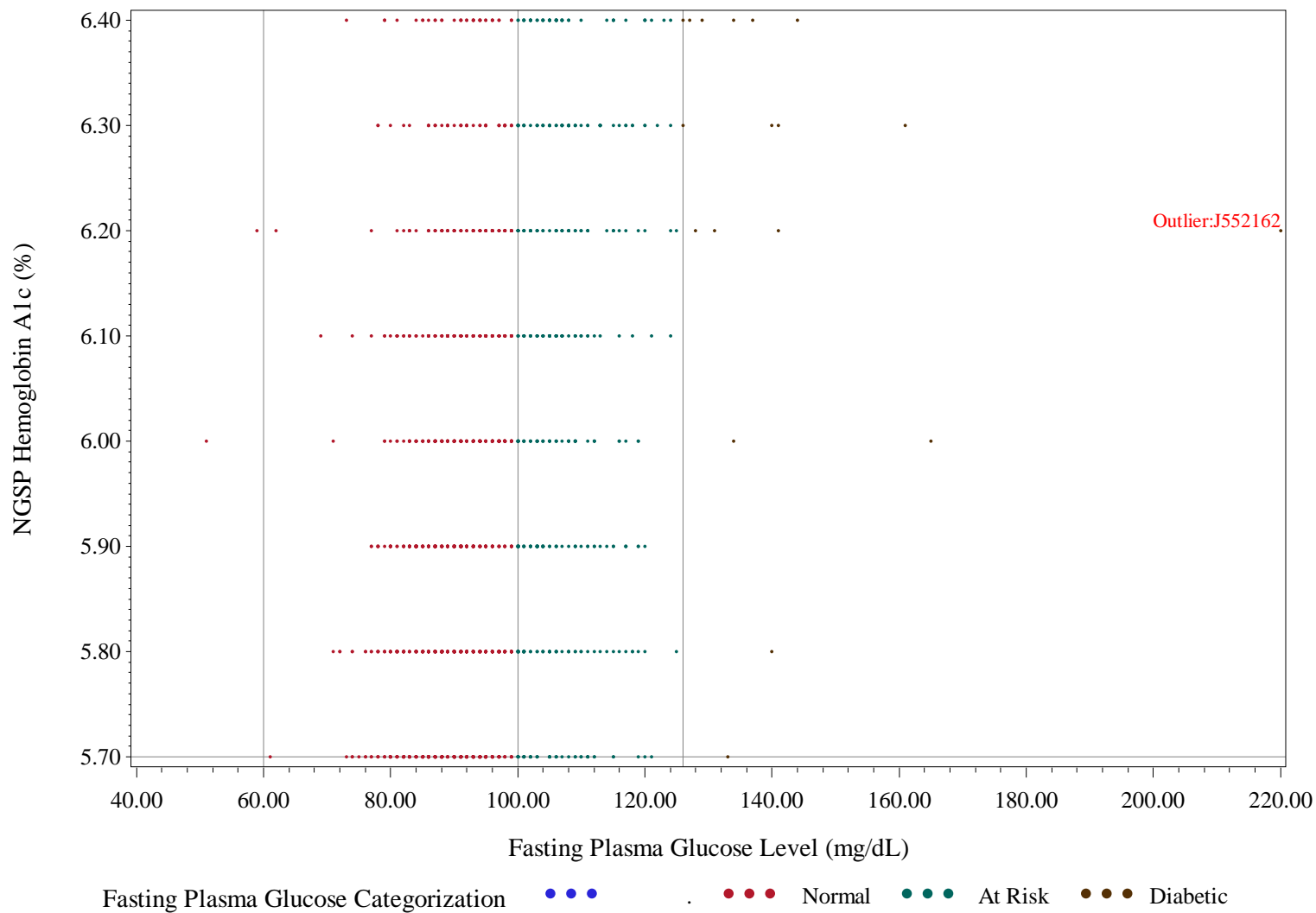
FPG vs HbA1C



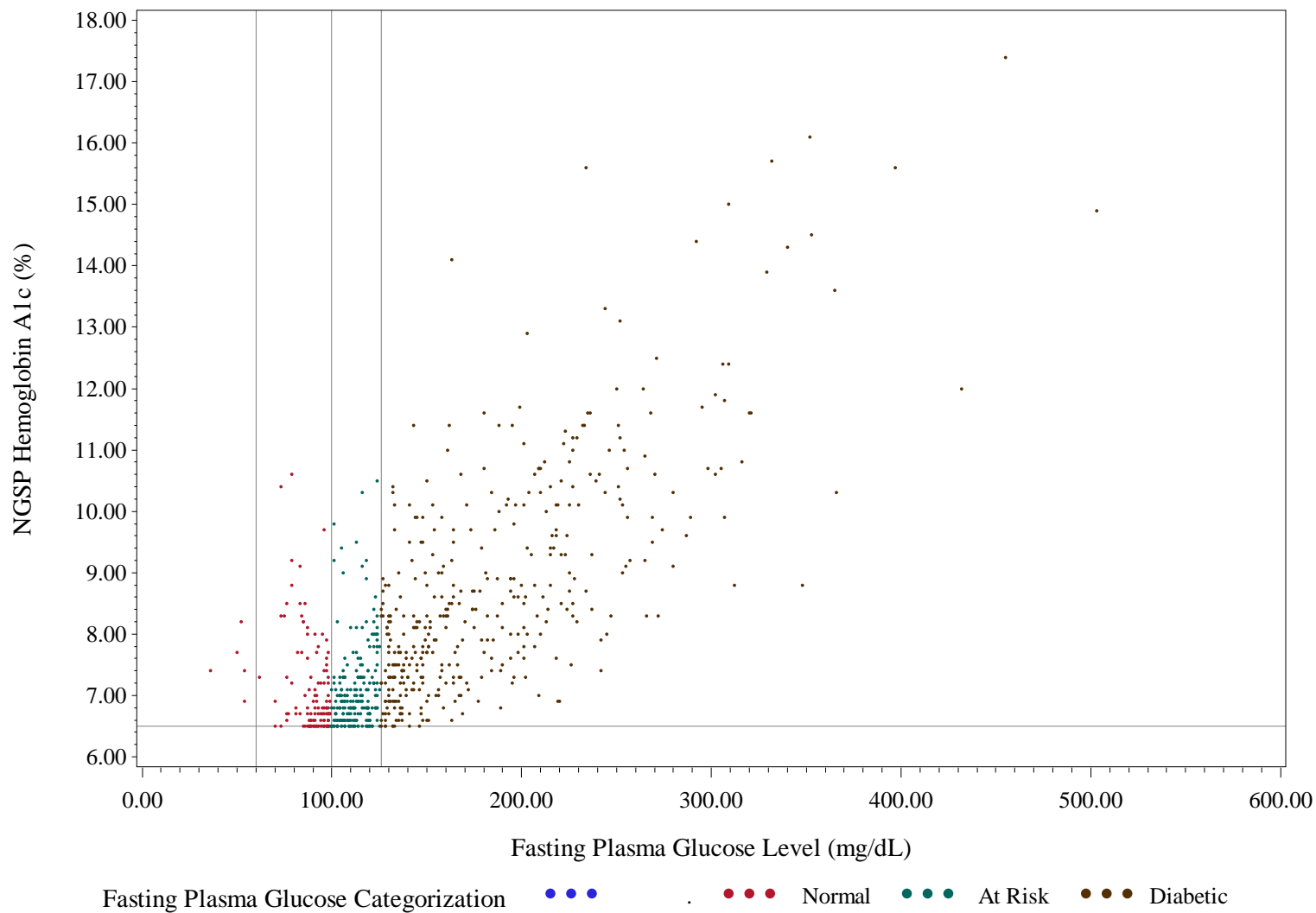
HbA1c vs FPG by FPG Category
HbA1c Classified Normal



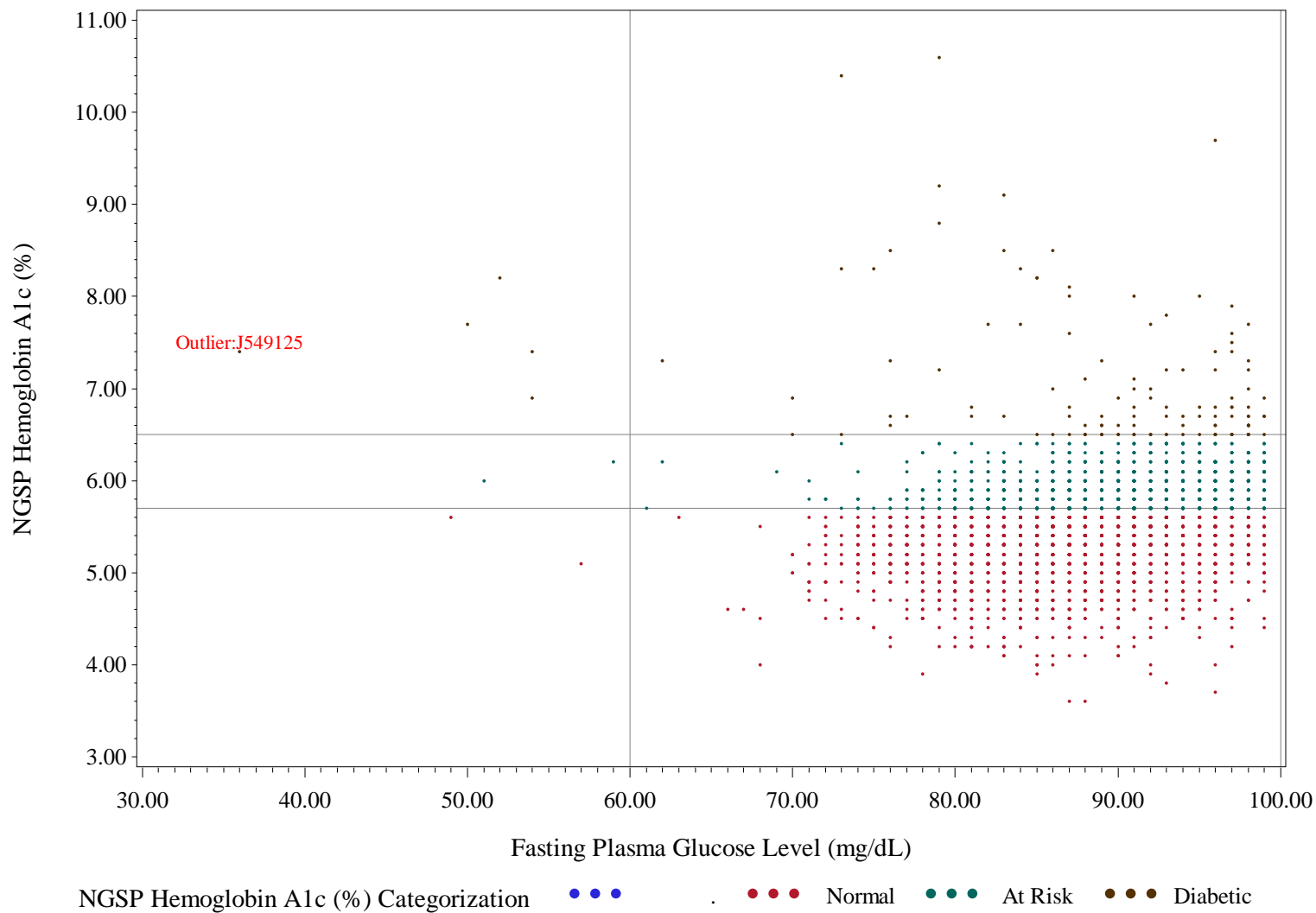
HbA1c vs FPG by FPG Category
HbA1c Classified Pre-Diabetic



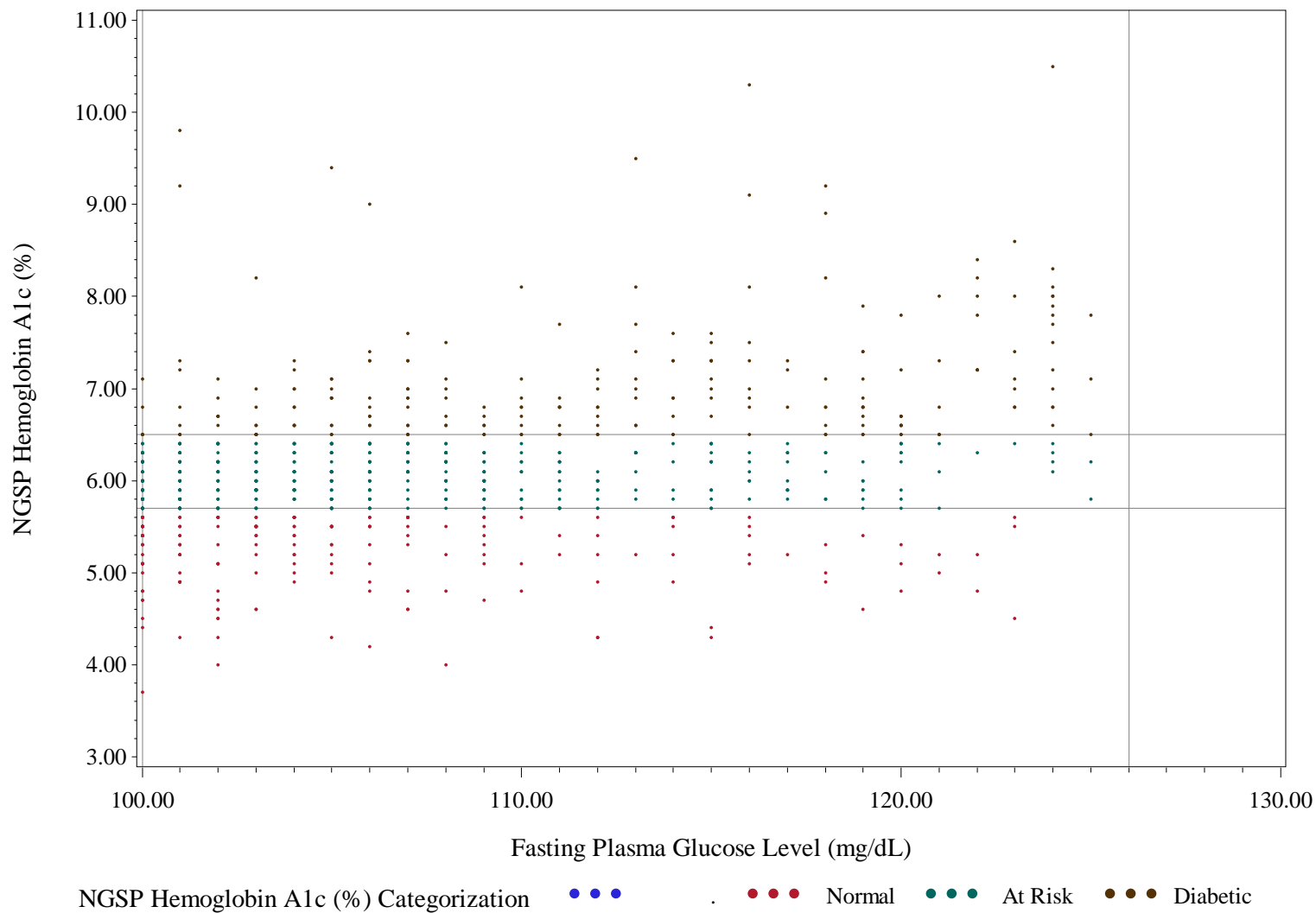
HbA1c vs FPG by FPG Category
HbA1c Classified Diabetic



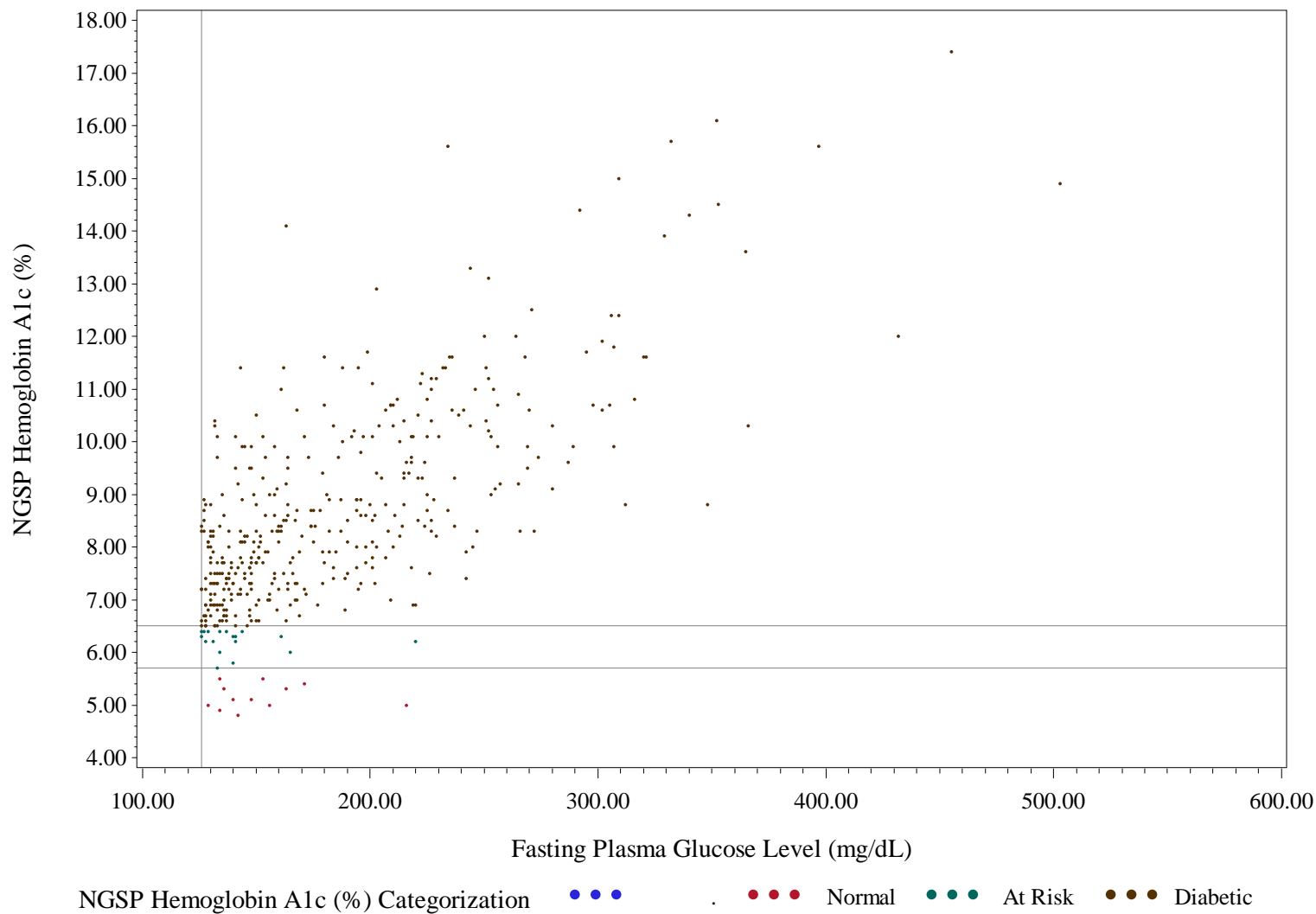
HbA1c vs FPG by HbA1c Category
FPG Classified Normal



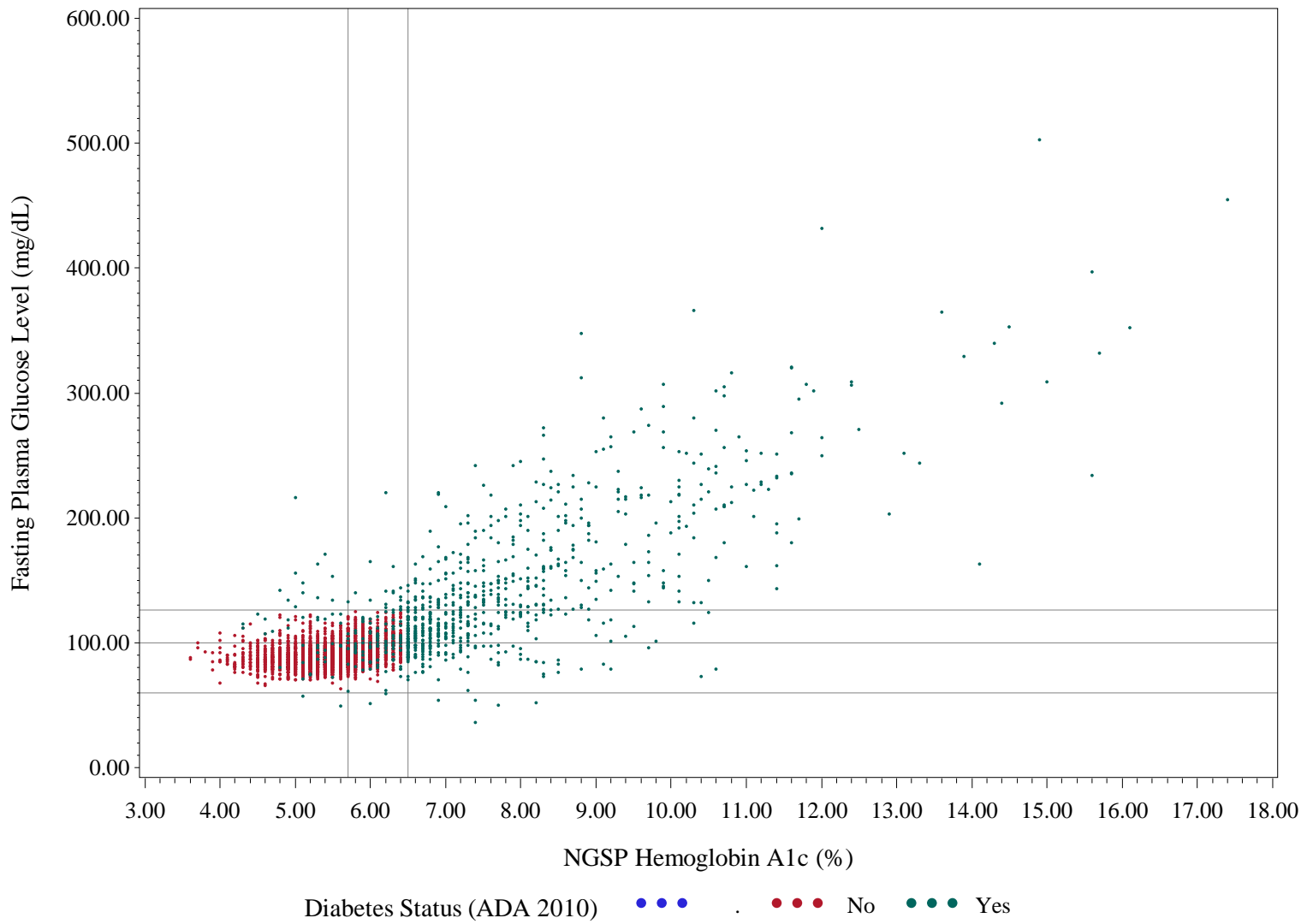
HbA1c vs FPG by HbA1c Category
FPG Classified At Risk



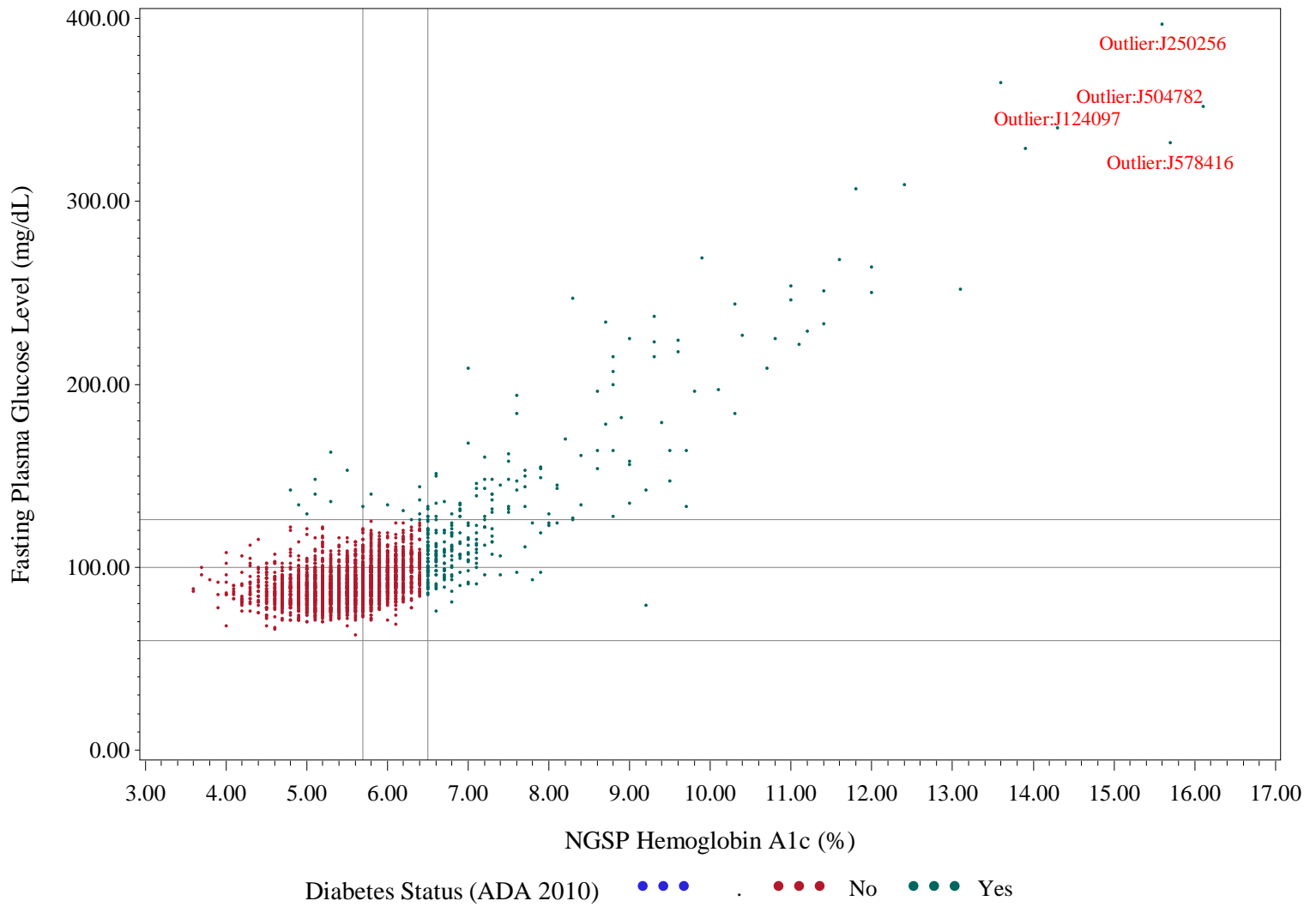
HbA1c vs FPG by HbA1c Category
FPG Classified Diabetic



FPG vs HbA1c by Diabetic Classification



FPG vs HbA1c by Diabetic Classification Not on Diabetic Meds



FPG vs HbA1c by Diabetic Classification On Diabetic Meds

