Data Set Name	WORK.DIABETES	**Observations**	50
Member Type	DATA	**Variables**	4
Engine	V9	**Indexes**	0
Created	09/18/2017 19:09:34	**Observation Length**	40
Last Modified	09/18/2017 19:09:34	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1632
Obs in First Data Page	50
Number of Data Set Repairs	0
Filename	/tmp/SAS_work908400000EBF_localhost.localdomain/SAS_workEB7400000EBF_localhost.localdomain/diabetes.sas7bdat
Release Created	9.0401M4
Host Created	Linux
Inode Number	536540
Access Permission	rw-rw-r--
Owner Name	sasdemo
File Size	128KB
File Size (bytes)	131072

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
3	Diet_Drinks	Char	12	$12.	$12.	Diet_Drinks
4	Glucose	Num	8	BEST12.		Glucose
2	Insulin	Char	12	$12.	$12.	Insulin
1	Subj	Num	8	BEST12.		Subj

Class Level Information		
Class	**Levels**	**Values**
Insulin	2	N Y
Diet_Drinks	3	Often Rarely Sometimes

Number of Observations Read	50
Number of Observations Used	50

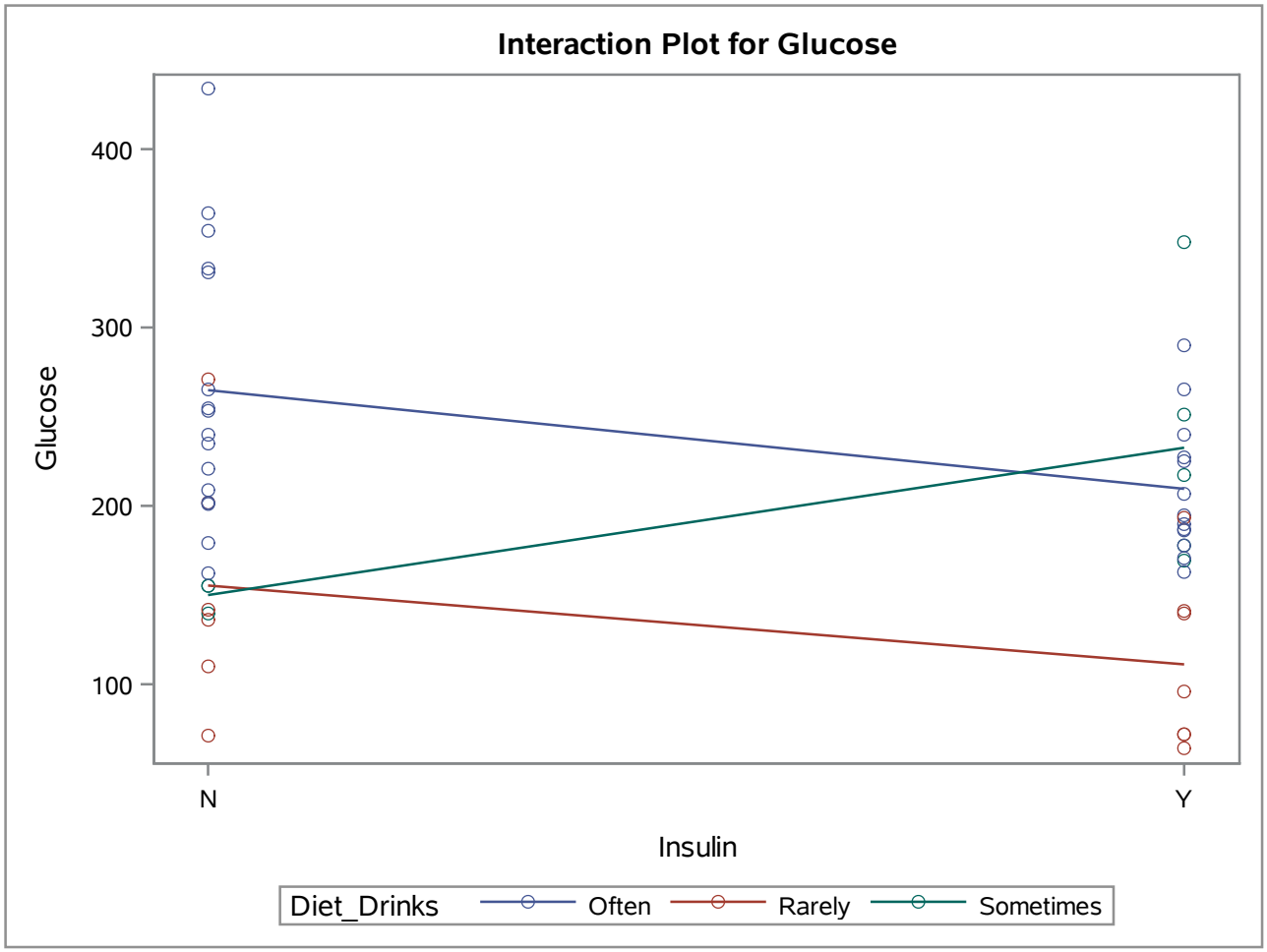
Dependent Variable: Glucose Glucose

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	146952.1288	29390.4258	7.80	<.0001
Error	44	165794.3712	3768.0539		
Corrected Total	49	312746.5000			

R-Square	Coeff Var	Root MSE	Glucose Mean
0.469876	29.84175	61.38448	205.7000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Insulin	1	18240.50000	18240.50000	4.84	0.0331
Diet_Drinks	2	99706.14107	49853.07054	13.23	<.0001
Insulin*Diet_Drinks	2	29005.48768	14502.74384	3.85	0.0288

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Insulin	1	291.69255	291.69255	0.08	0.7821
Diet_Drinks	2	97488.21945	48744.10972	12.94	<.0001
Insulin*Diet_Drinks	2	29005.48768	14502.74384	3.85	0.0288

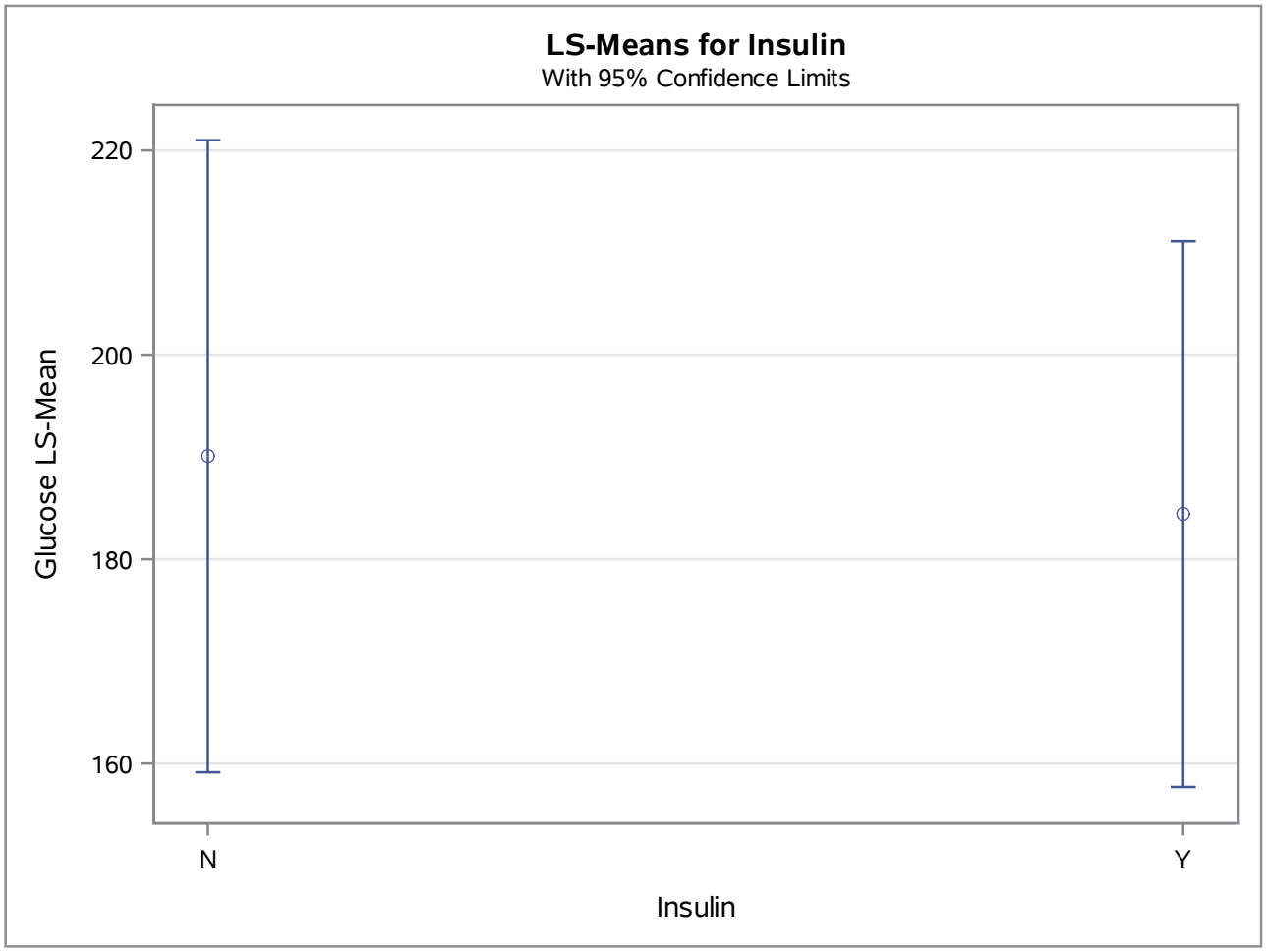


Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

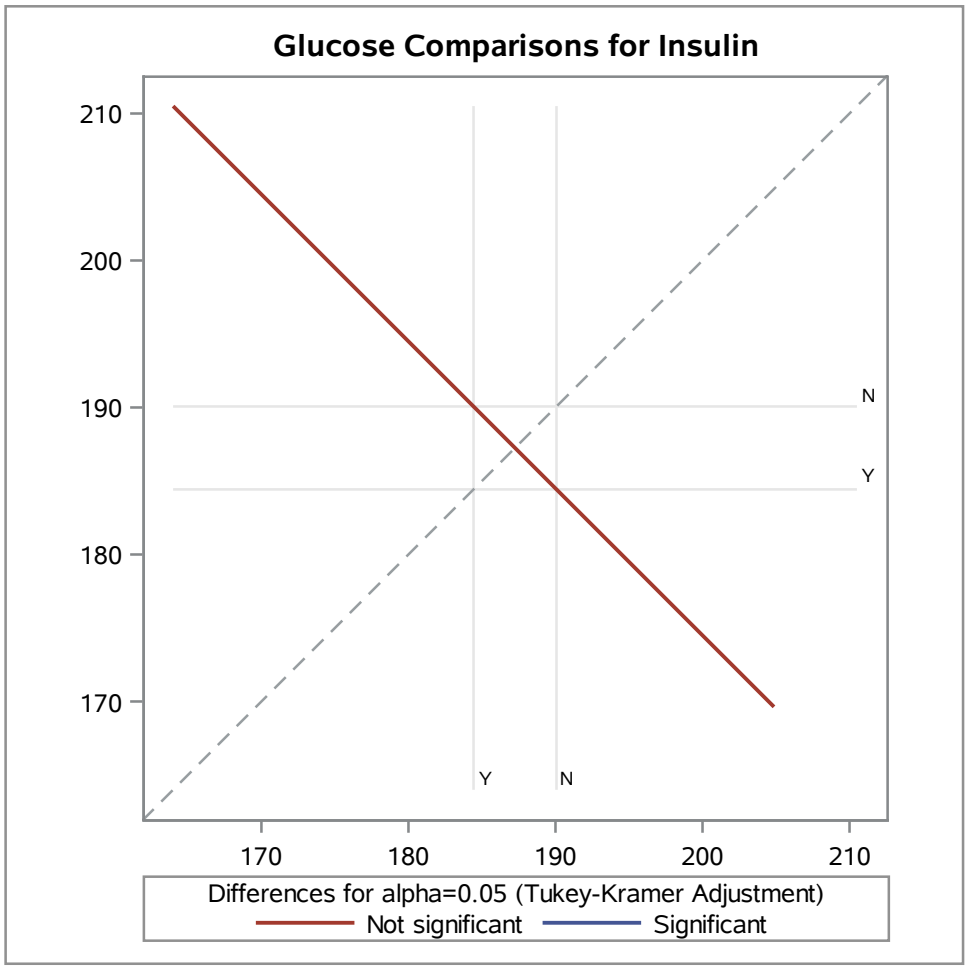
Insulin	Glucose LSMEAN	H0:LSMean1=LSMean2 Pr > |t|
N	190.069444	0.7821
Y	184.427106	

Insulin	Glucose LSMEAN	95% Confidence Limits	
N	190.069444	159.141374	220.997515
Y	184.427106	157.709192	211.145020

Least Squares Means for Effect Insulin				
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
1	2	5.642338	-35.226882	46.511558



Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

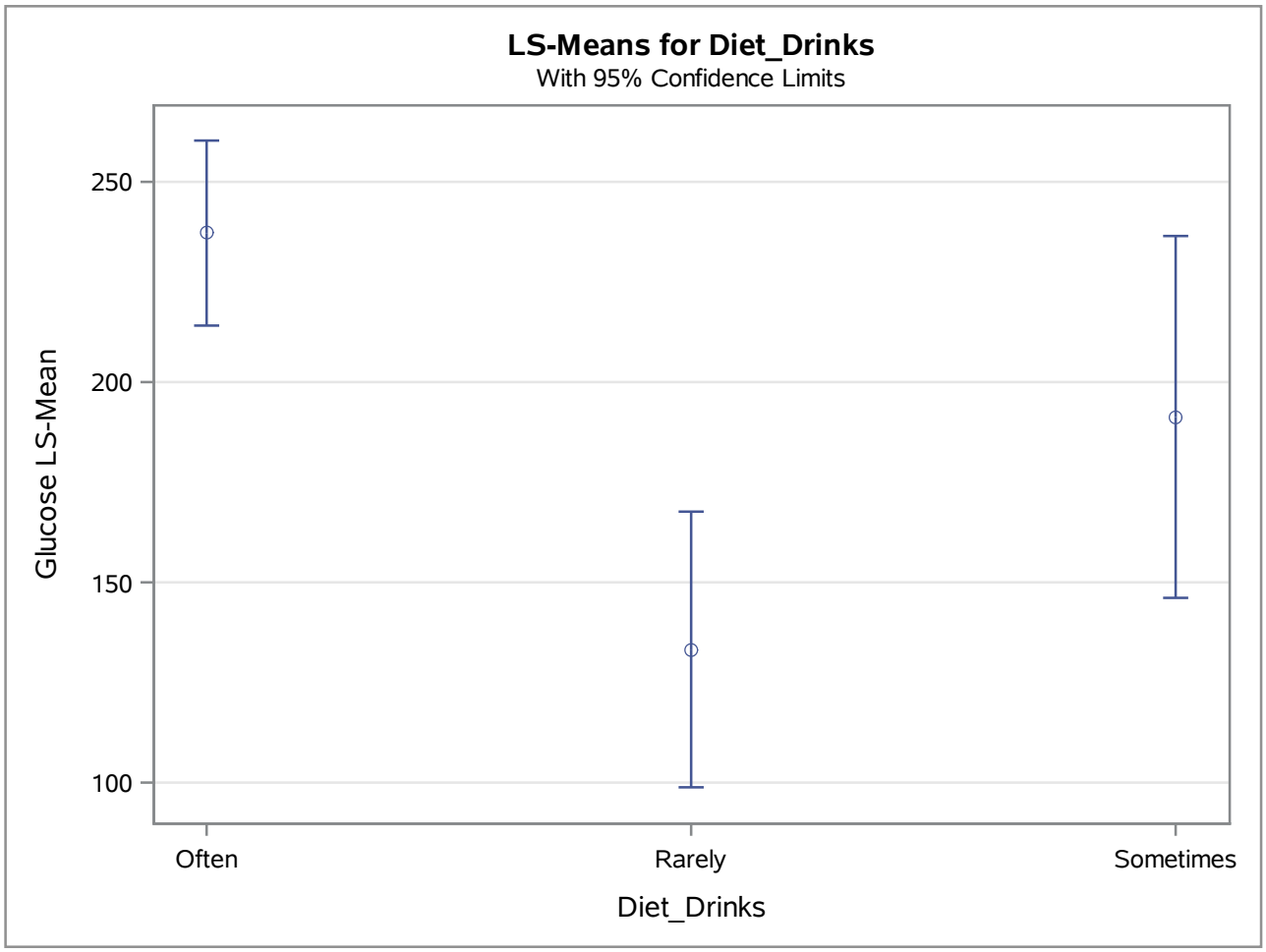
Diet_Drinks	Glucose LSMEAN	LSMEAN Number
Often	237.206731	1
Rarely	133.238095	2
Sometimes	191.300000	3

Least Squares Means for effect Diet_Drinks Pr > |t| for H0: LSMean(i)=LSMean(j) Dependent Variable: Glucose			
i/j	1	2	3
1		<.0001	0.1738
2	<.0001		0.1100
3	0.1738	0.1100	

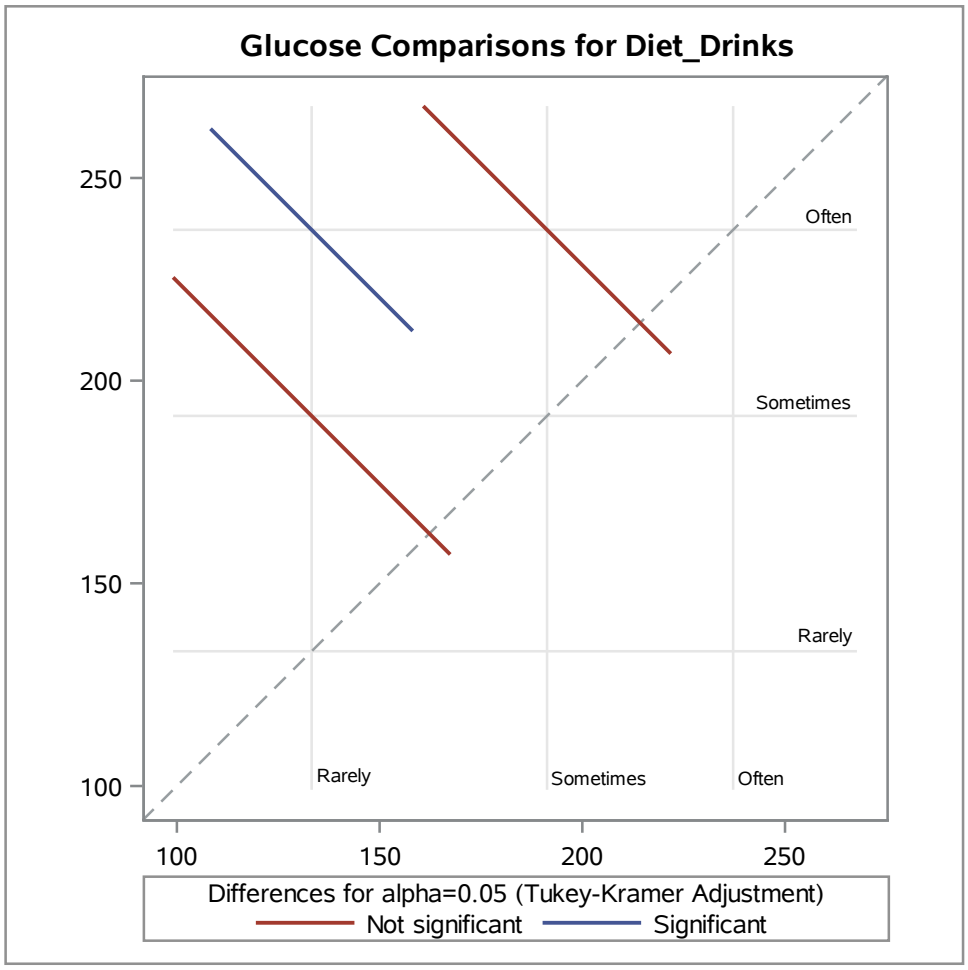
Diet_Drinks	Glucose LSMEAN	95% Confidence Limits	
Often	237.206731	214.110019	260.303443
Rarely	133.238095	98.824515	167.651675
Sometimes	191.300000	146.126661	236.473339

Least Squares Means for Effect Diet_Drinks				
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
1	2	103.968636	54.089411	153.847860
1	3	45.906731	-15.152473	106.965934
2	3	-58.061905	-126.405717	10.281907

Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Insulin	Diet_Drinks	Glucose LSMEAN	LSMEAN Number
N	Often	264.875000	1
N	Rarely	155.333333	2
N	Sometimes	150.000000	3
Y	Often	209.538462	4
Y	Rarely	111.142857	5
Y	Sometimes	232.600000	6

Least Squares Means for effect Insulin*Diet_Drinks
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: Glucose

i/j	1	2	3	4	5	6
1		0.0068	0.0505	0.1736	<.0001	0.9066
2	0.0068		1.0000	0.4830	0.7867	0.3169
3	0.0505	1.0000		0.6571	0.9400	0.4501
4	0.1736	0.4830	0.6571		0.0161	0.9792
5	<.0001	0.7867	0.9400	0.0161		0.0179
6	0.9066	0.3169	0.4501	0.9792	0.0179	

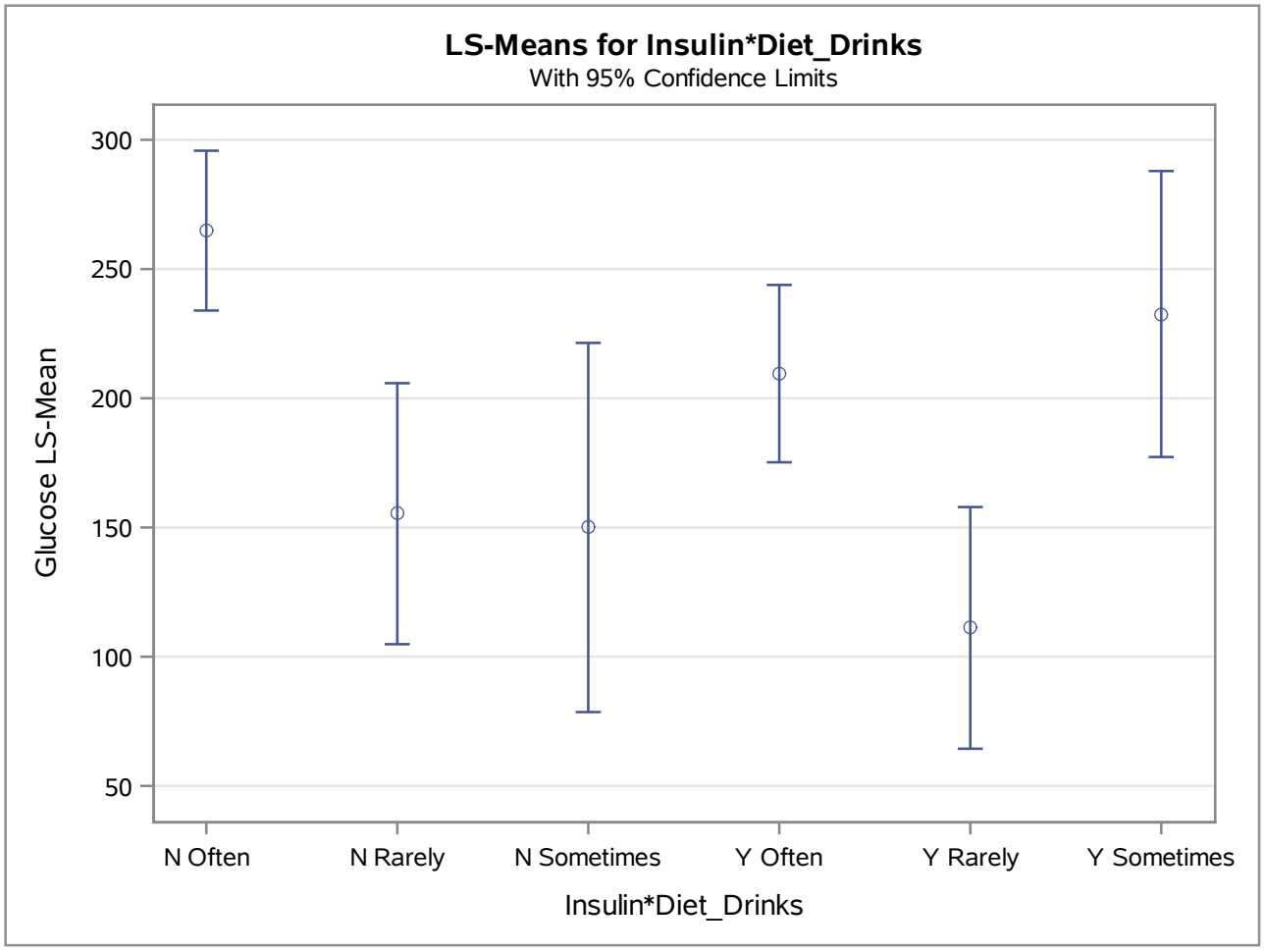
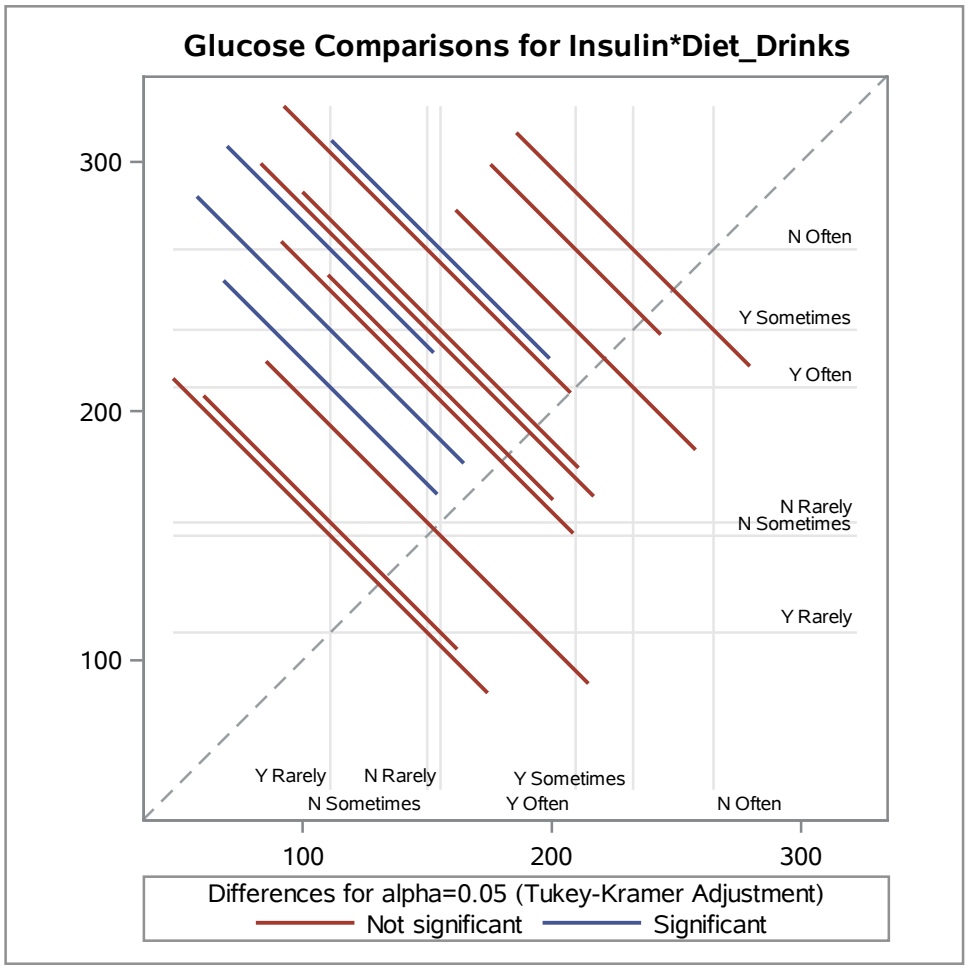
Insulin	Diet_Drinks	Glucose LSMEAN	95% Confidence Limits	
N	Often	264.875000	233.946929	295.803071
N	Rarely	155.333333	104.828006	205.838661
N	Sometimes	150.000000	78.574680	221.425320
Y	Often	209.538462	175.226848	243.850075
Y	Rarely	111.142857	64.384009	157.901705
Y	Sometimes	232.600000	177.274185	287.925815

Least Squares Means for Effect Insulin*Diet_Drinks

i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
1	2	109.541667	22.004867	197.078467
1	3	114.875000	-0.170894	229.920894
1	4	55.336538	-12.941695	123.614772
1	5	153.732143	70.867388	236.596898
1	6	32.275000	-61.412057	125.962057
2	3	5.333333	-123.967089	134.633756

Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for Effect Insulin*Diet_Drinks				
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
2	4	-54.205128	-144.454553	36.044296
2	5	44.190476	-57.542552	145.923505
2	6	-77.266667	-187.992934	33.459600
3	4	-59.538462	-176.661581	57.584658
3	5	38.857143	-87.327149	165.041435
3	6	-82.600000	-216.140902	50.940902
4	5	98.395604	12.670259	184.120950
4	6	-23.061538	-119.288000	73.164923
5	6	-121.457143	-228.528065	-14.386221



Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer