

HC by region for 2016

Obs	A	B	C	D	y	e	f
1	low	high	low	low	22.0	lowhigh	lowlow
2	low	high	low	low	20.2	lowhigh	lowlow
3	low	high	low	high	28.1	lowhigh	lowhigh
4	low	high	low	high	29.9	lowhigh	lowhigh
5	low	high	high	low	30.0	lowhigh	highlow
6	low	high	high	low	29.3	lowhigh	highlow
7	low	high	high	high	38.3	lowhigh	highhigh
8	low	high	high	high	38.5	lowhigh	highhigh
9	high	low	low	low	11.4	highlow	lowlow
10	high	low	low	low	11.0	highlow	lowlow
11	high	low	low	high	20.4	highlow	lowhigh
12	high	low	low	high	22.0	highlow	lowhigh
13	high	low	high	low	22.3	highlow	highlow
14	high	low	high	low	20.2	highlow	highlow
15	high	low	high	high	28.7	highlow	highhigh
16	high	low	high	high	28.8	highlow	highhigh
17	high	high	low	low	18.9	highhigh	lowlow
18	high	high	low	low	16.4	highhigh	lowlow
19	high	high	low	high	26.6	highhigh	lowhigh
20	high	high	low	high	26.5	highhigh	lowhigh
21	high	high	high	low	29.6	highhigh	highlow
22	high	high	high	low	29.8	highhigh	highlow
23	high	high	high	high	34.5	highhigh	highhigh
24	high	high	high	high	34.9	highhigh	highhigh

The GLM Procedure

Class Level Information		
Class	Levels	Values
e	3	highhigh highlow lowhigh
f	4	highhigh highlow lowhigh lowlow

Number of Observations Read	24
Number of Observations Used	24

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	1262.051250	114.731932	133.60	<.0001
Error	12	10.305000	0.858750		
Corrected Total	23	1272.356250			

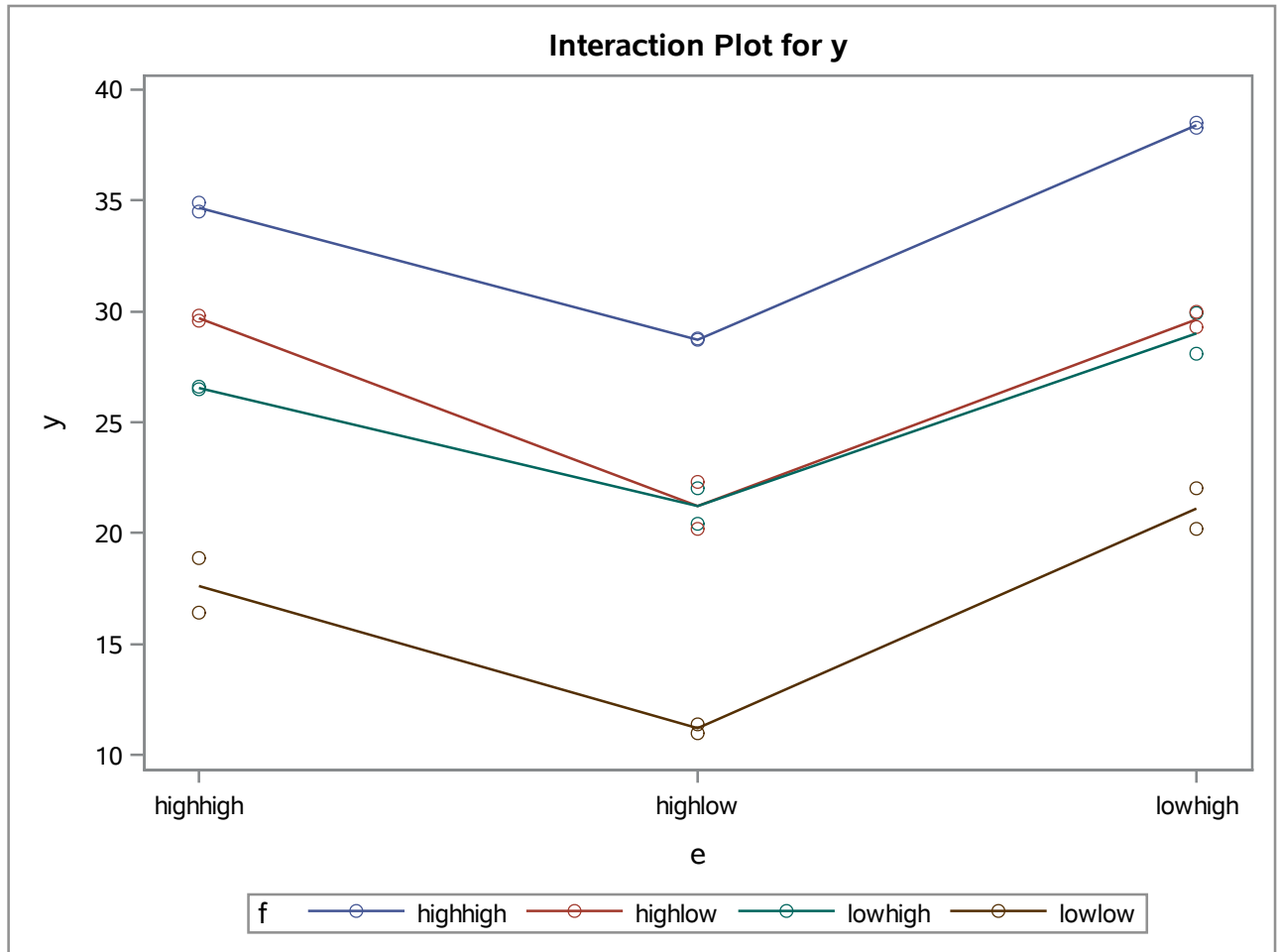
R-Square	Coeff Var	Root MSE	y Mean
0.991901	3.597041	0.926688	25.76250

Source	DF	Type I SS	Mean Square	F Value	Pr > F
e	2	342.6175000	171.3087500	199.49	<.0001
f	3	907.9445833	302.6481944	352.43	<.0001
e*f	6	11.4891667	1.9148611	2.23	0.1117

Source	DF	Type III SS	Mean Square	F Value	Pr > F
e	2	342.6175000	171.3087500	199.49	<.0001
f	3	907.9445833	302.6481944	352.43	<.0001
e*f	6	11.4891667	1.9148611	2.23	0.1117

The GLM Procedure

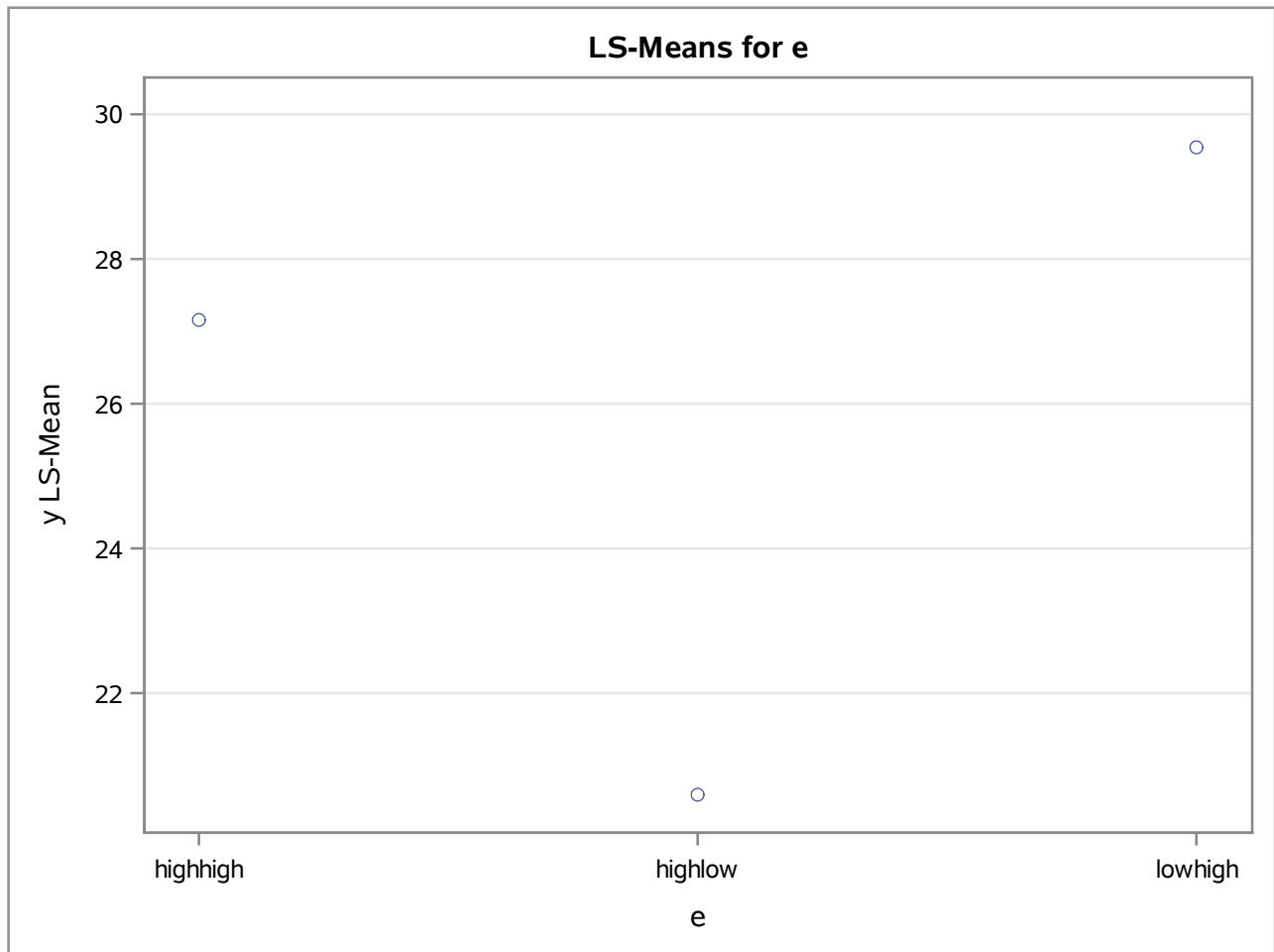
Dependent Variable: y



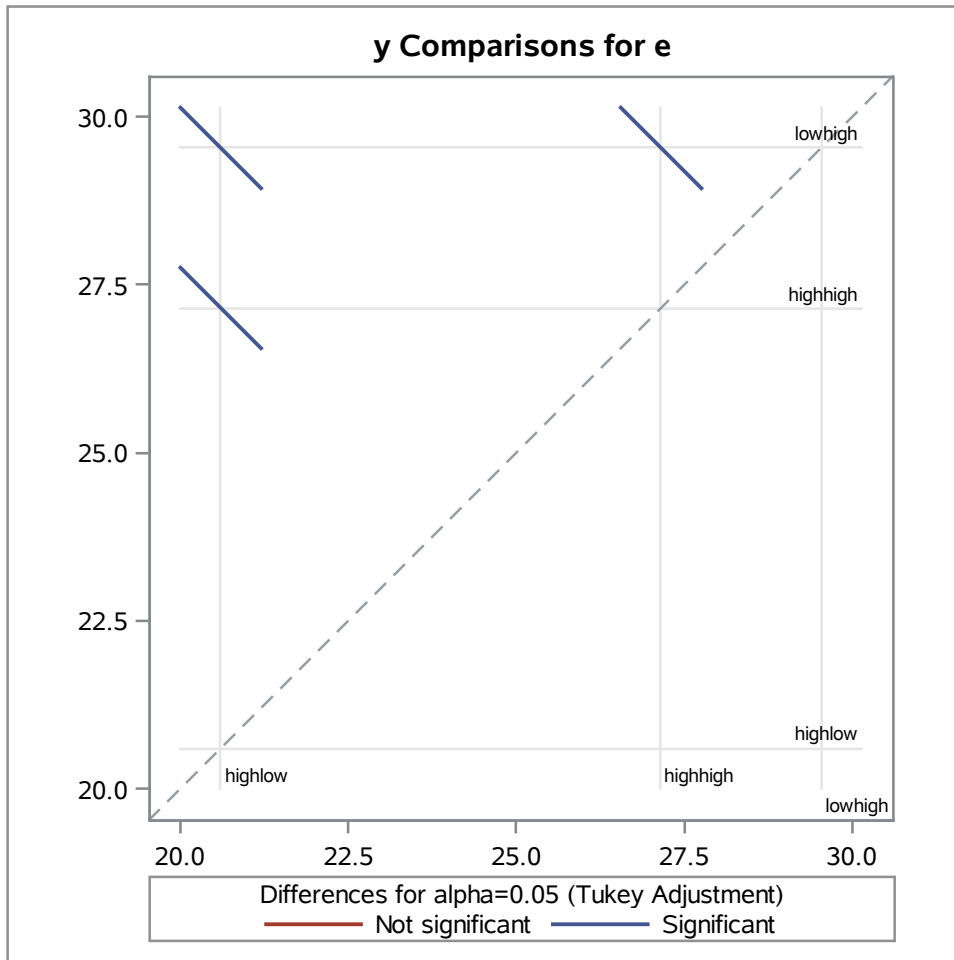
The GLM Procedure
 Least Squares Means
 Adjustment for Multiple Comparisons: Tukey

e	y LSMEAN	LSMEAN Number
highhigh	27.1500000	1
highlow	20.6000000	2
lowhigh	29.5375000	3

Least Squares Means for effect e Pr > t for H0: LSMean(i)=LSMean(j)			
Dependent Variable: y			
i/j	1	2	3
1		<.0001	0.0006
2	<.0001		<.0001
3	0.0006	<.0001	



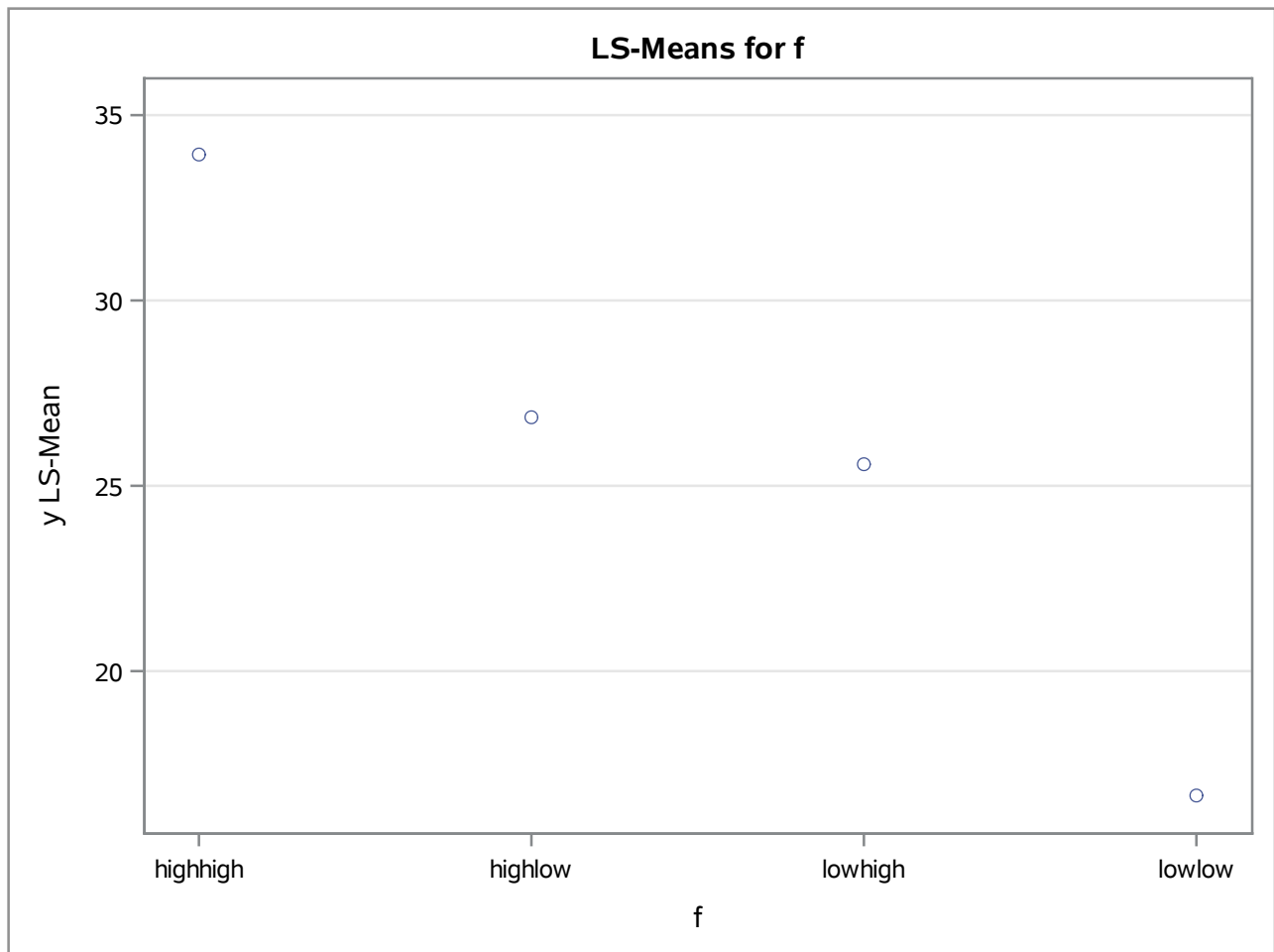
The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey



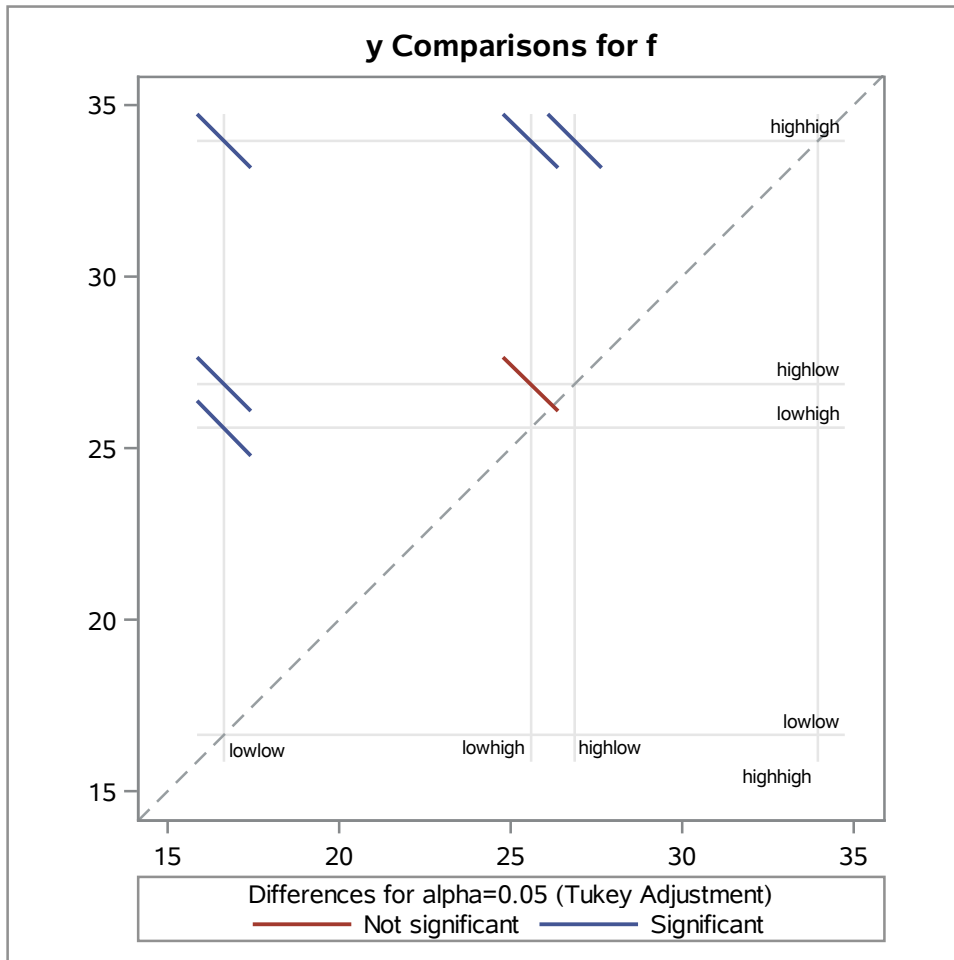
The GLM Procedure
 Least Squares Means
 Adjustment for Multiple Comparisons: Tukey

f	y LSMEAN	LSMEAN Number
highhigh	33.9500000	1
highlow	26.8666667	2
lowhigh	25.5833333	3
lowlow	16.6500000	4

Least Squares Means for effect f Pr > t for H0: LSMean(i)=LSMean(j)				
Dependent Variable: y				
i/j	1	2	3	4
1		<.0001	<.0001	<.0001
2	<.0001		0.1303	<.0001
3	<.0001	0.1303		<.0001
4	<.0001	<.0001	<.0001	



The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey



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Plot of res*pred. Legend: A = 1 obs, B = 2 obs, etc.

