

Hot Dog Data

Obs	meat	salt	taste
1	beef	1	7.75
2	beef	1	8.25
3	beef	2	8.25
4	beef	2	8.75
5	beef	3	7.75
6	beef	3	8.25
7	pork	1	6.75
8	pork	1	7.25
9	pork	2	7.25
10	pork	2	7.75
11	pork	3	6.75
12	pork	3	7.25
13	chic	1	6.25
14	chic	1	6.75
15	chic	2	8.25
16	chic	2	7.75
17	chic	3	8.75
18	chic	3	9.25

The GLM Procedure

Class Level Information		
Class	Levels	Values
meat	3	beef chic pork
salt	3	1 2 3

Number of Observations Read	18
Number of Observations Used	18

The GLM Procedure

Dependent Variable: taste

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	10.11111111	1.26388889	10.11	0.0011
Error	9	1.12500000	0.12500000		
Corrected Total	17	11.23611111			

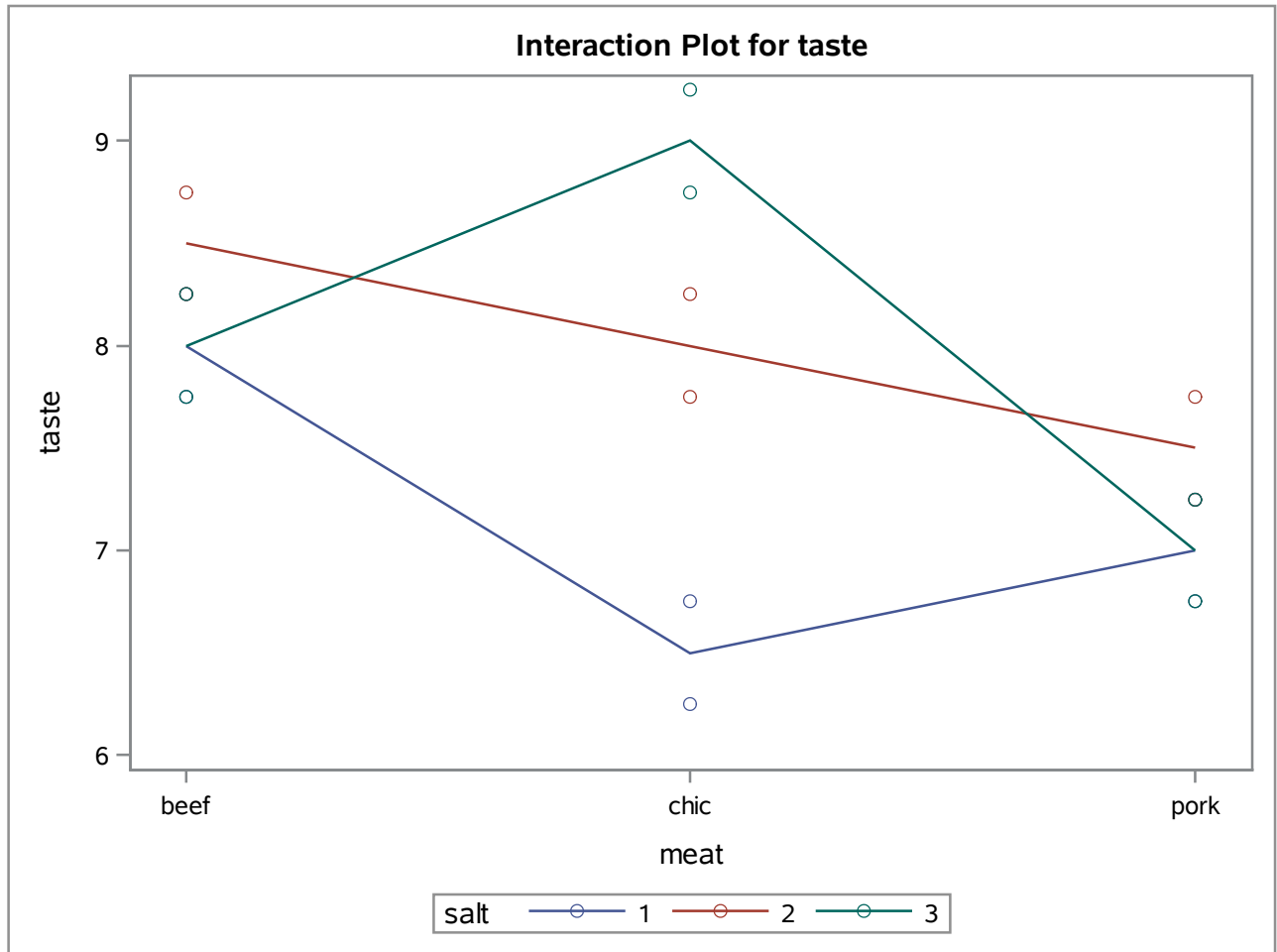
R-Square	Coeff Var	Root MSE	taste Mean
0.899876	4.578389	0.353553	7.722222

Source	DF	Type I SS	Mean Square	F Value	Pr > F
meat	2	3.11111111	1.55555556	12.44	0.0026
salt	2	2.77777778	1.38888889	11.11	0.0037
meat*salt	4	4.22222222	1.05555556	8.44	0.0041

Source	DF	Type III SS	Mean Square	F Value	Pr > F
meat	2	3.11111111	1.55555556	12.44	0.0026
salt	2	2.77777778	1.38888889	11.11	0.0037
meat*salt	4	4.22222222	1.05555556	8.44	0.0041

The GLM Procedure

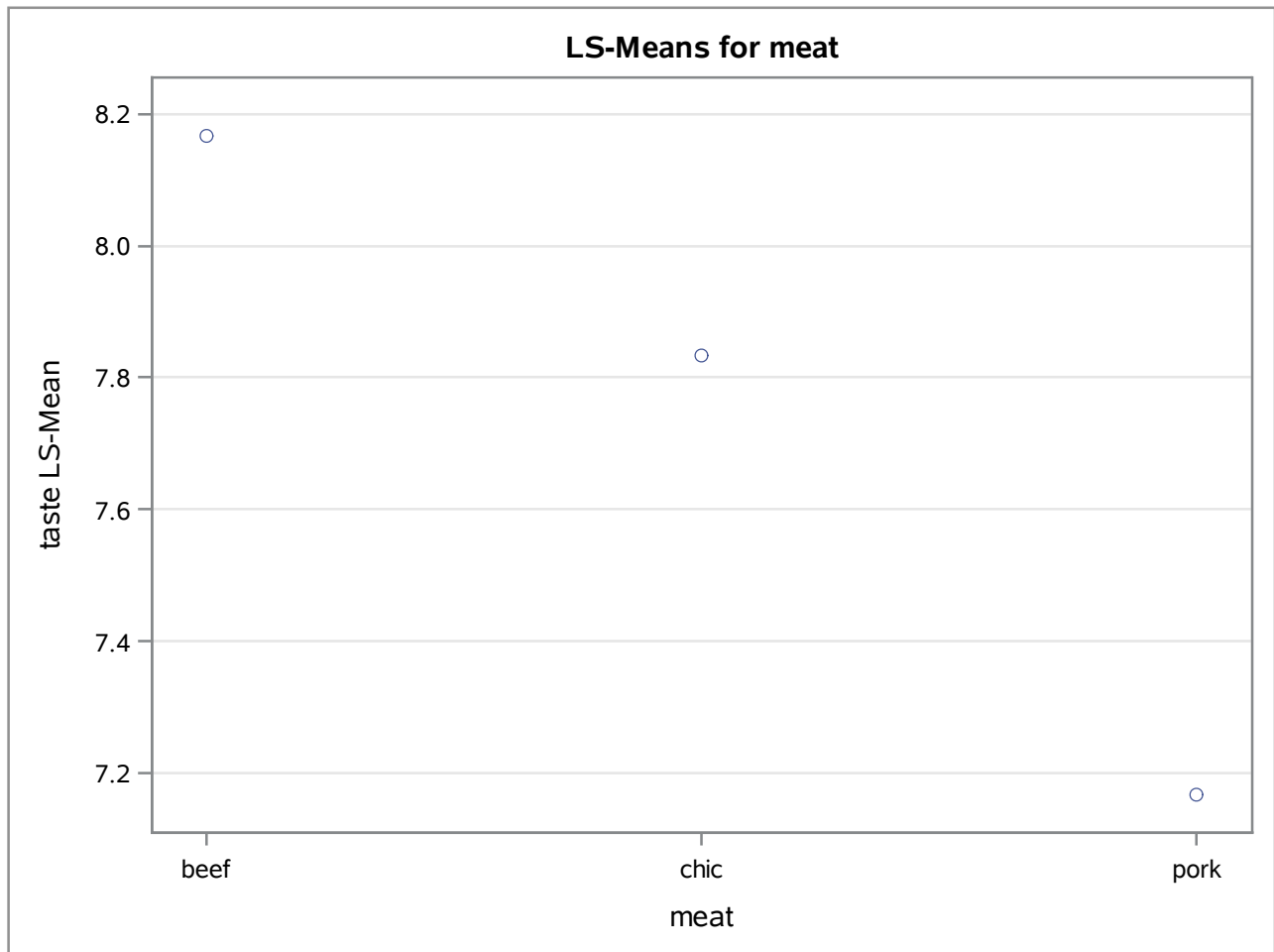
Dependent Variable: taste



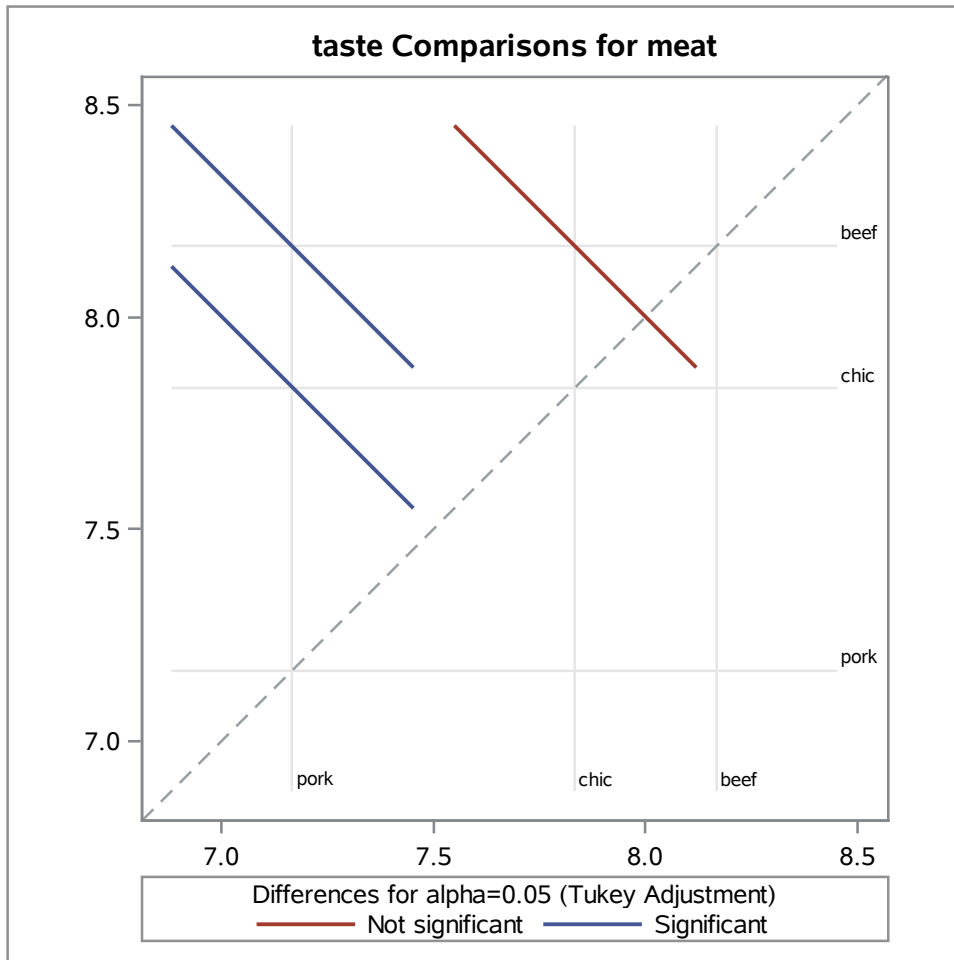
The GLM Procedure
 Least Squares Means
 Adjustment for Multiple Comparisons: Tukey

meat	taste LSMEAN	LSMEAN Number
beef	8.16666667	1
chic	7.83333333	2
pork	7.16666667	3

Least Squares Means for effect meat Pr > t for H0: LSMean(i)=LSMean(j)			
Dependent Variable: taste			
i/j	1	2	3
1		0.2818	0.0022
2	0.2818		0.0239
3	0.0022	0.0239	



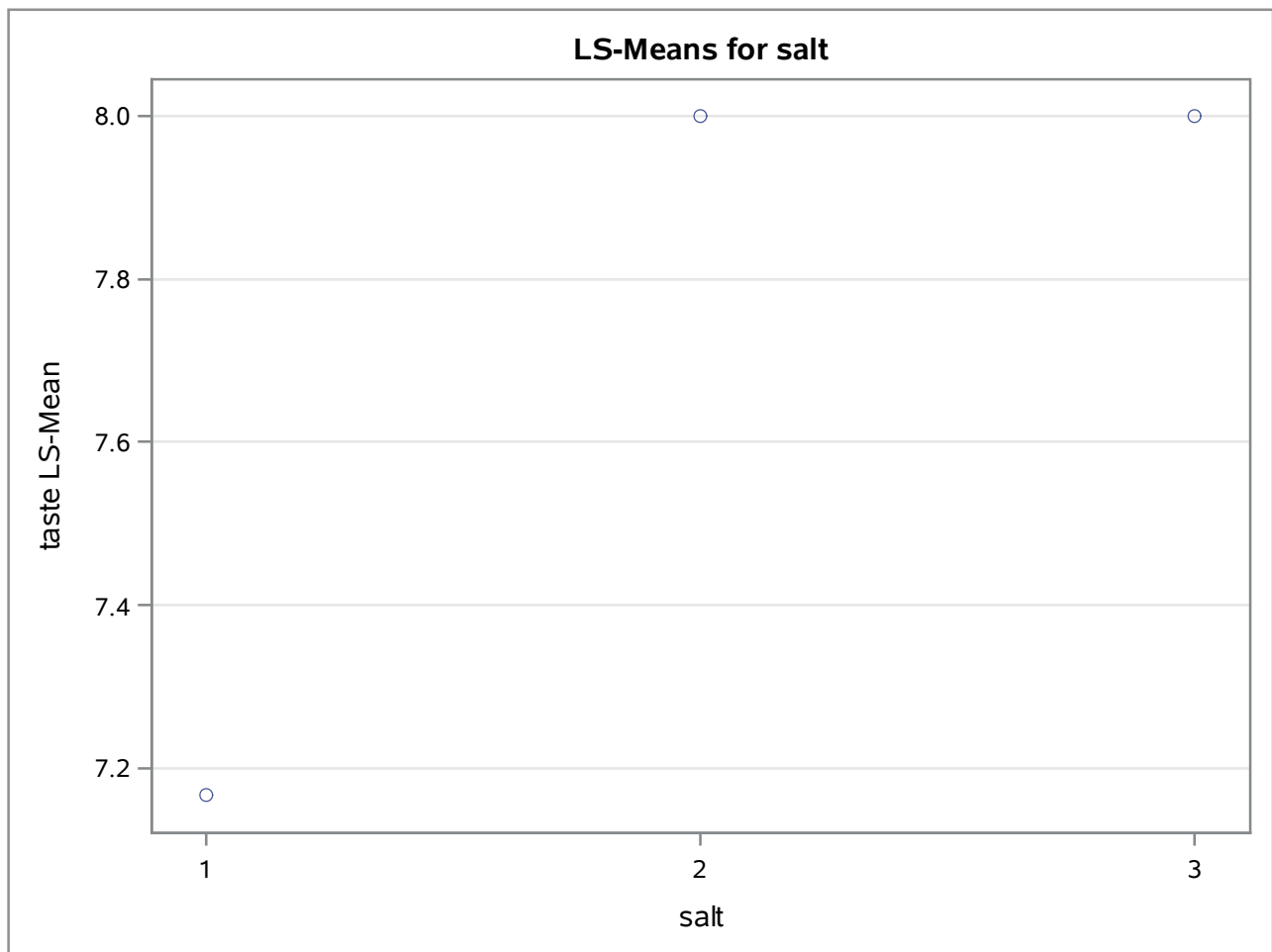
The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey



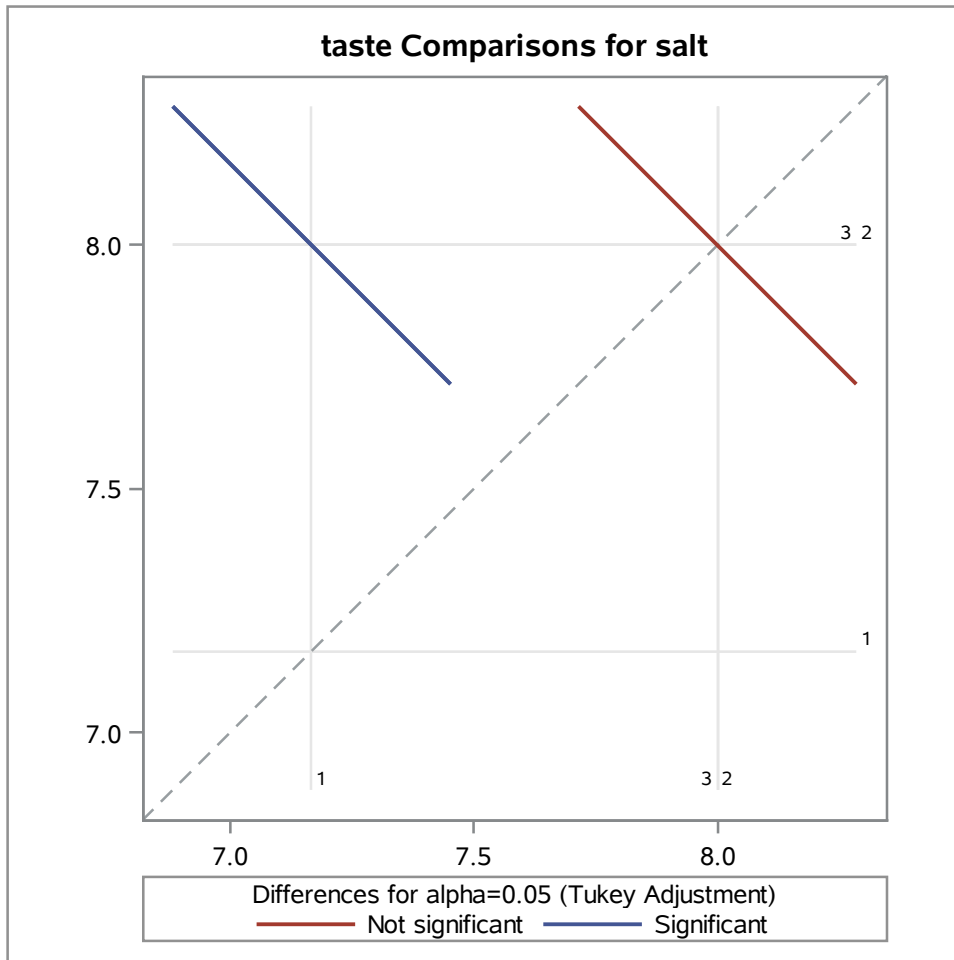
The GLM Procedure
 Least Squares Means
 Adjustment for Multiple Comparisons: Tukey

salt	taste LSMEAN	LSMEAN Number
1	7.16666667	1
2	8.00000000	2
3	8.00000000	3

Least Squares Means for effect salt Pr > t for H0: LSMean(i)=LSMean(j)			
Dependent Variable: taste			
i/j	1	2	3
1		0.0070	0.0070
2	0.0070		1.0000
3	0.0070	1.0000	

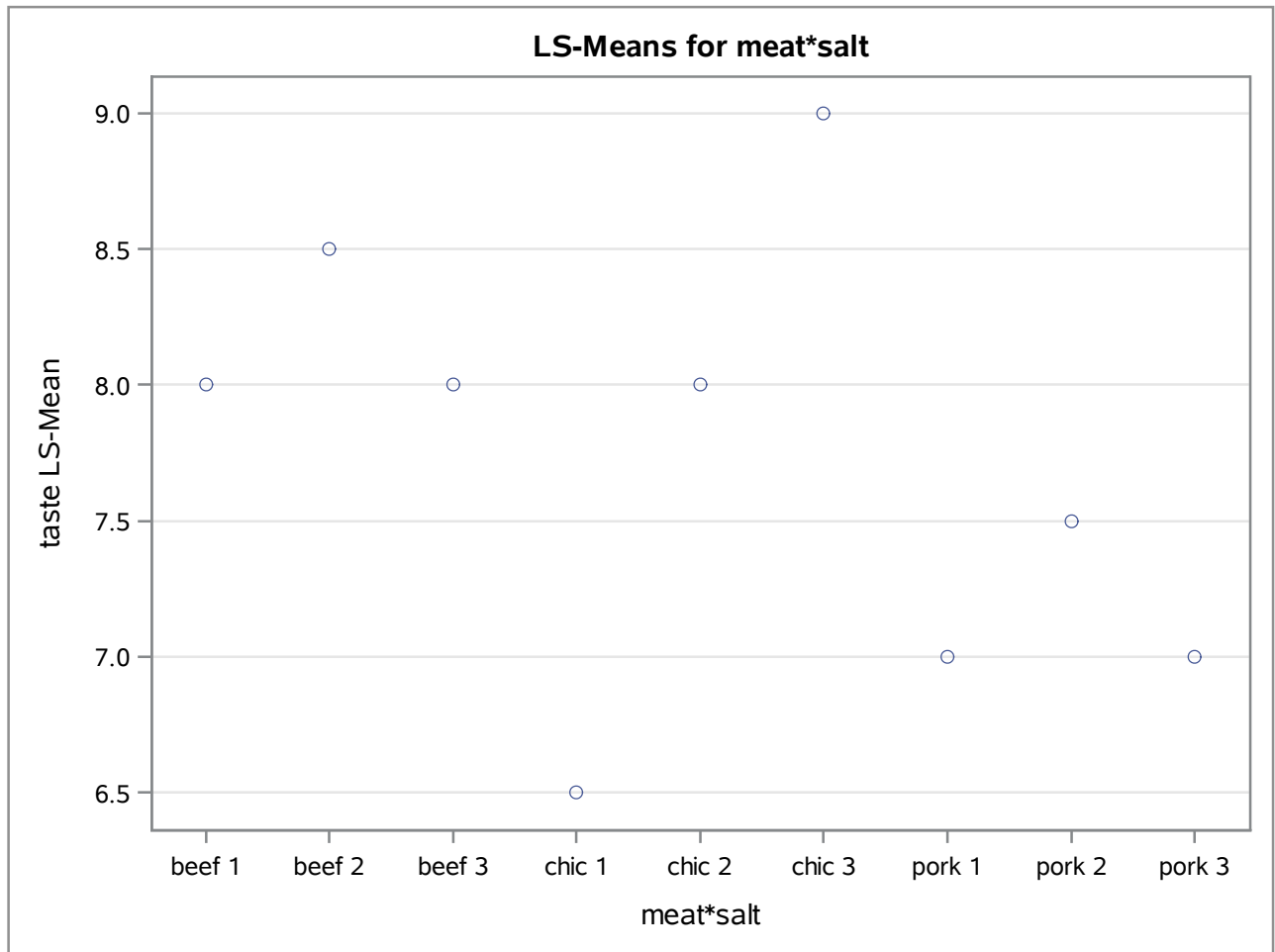


The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey



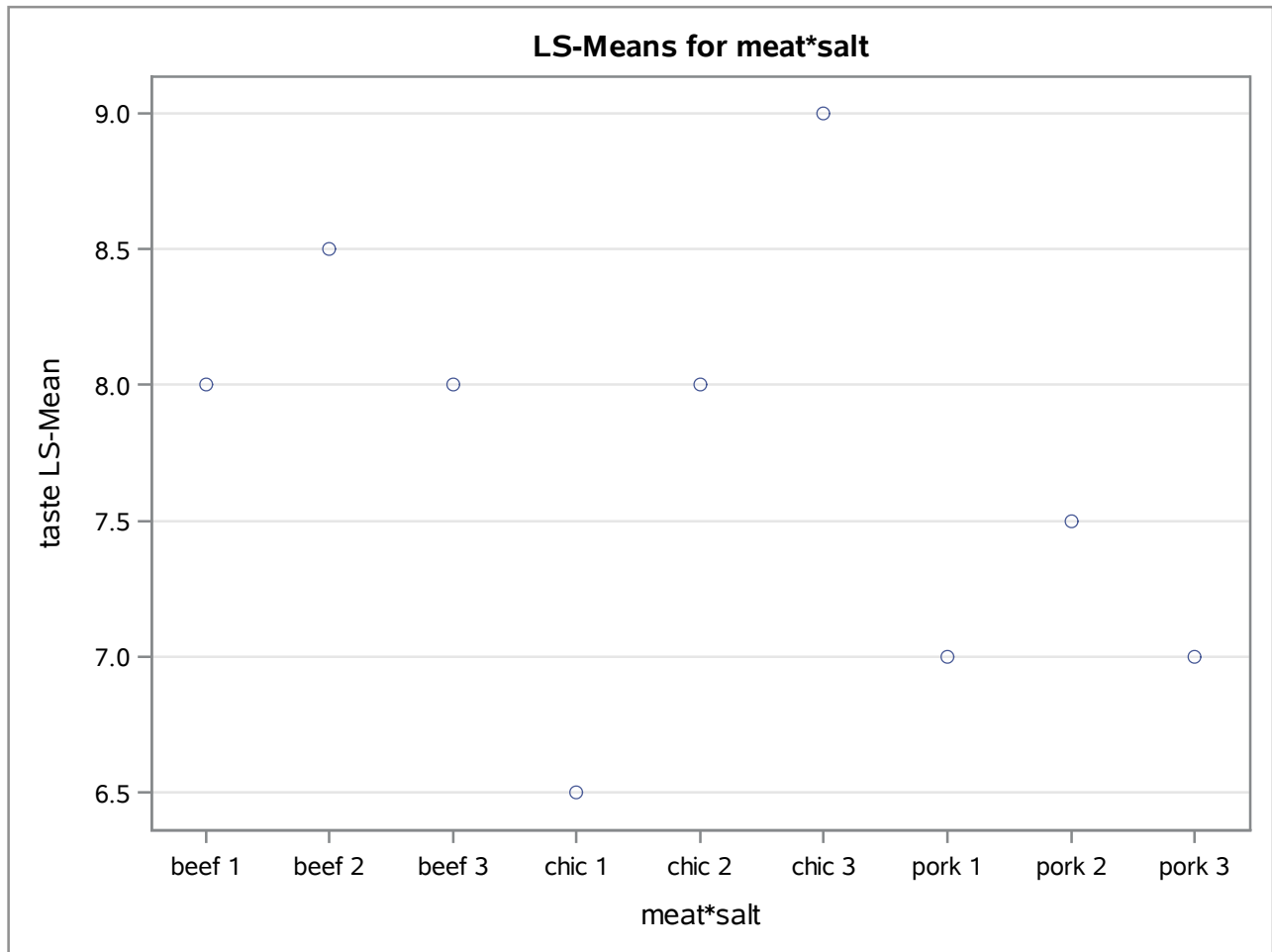
The GLM Procedure
Least Squares Means

meat	salt	taste LSMEAN
beef	1	8.00000000
beef	2	8.50000000
beef	3	8.00000000
chic	1	6.50000000
chic	2	8.00000000
chic	3	9.00000000
pork	1	7.00000000
pork	2	7.50000000
pork	3	7.00000000

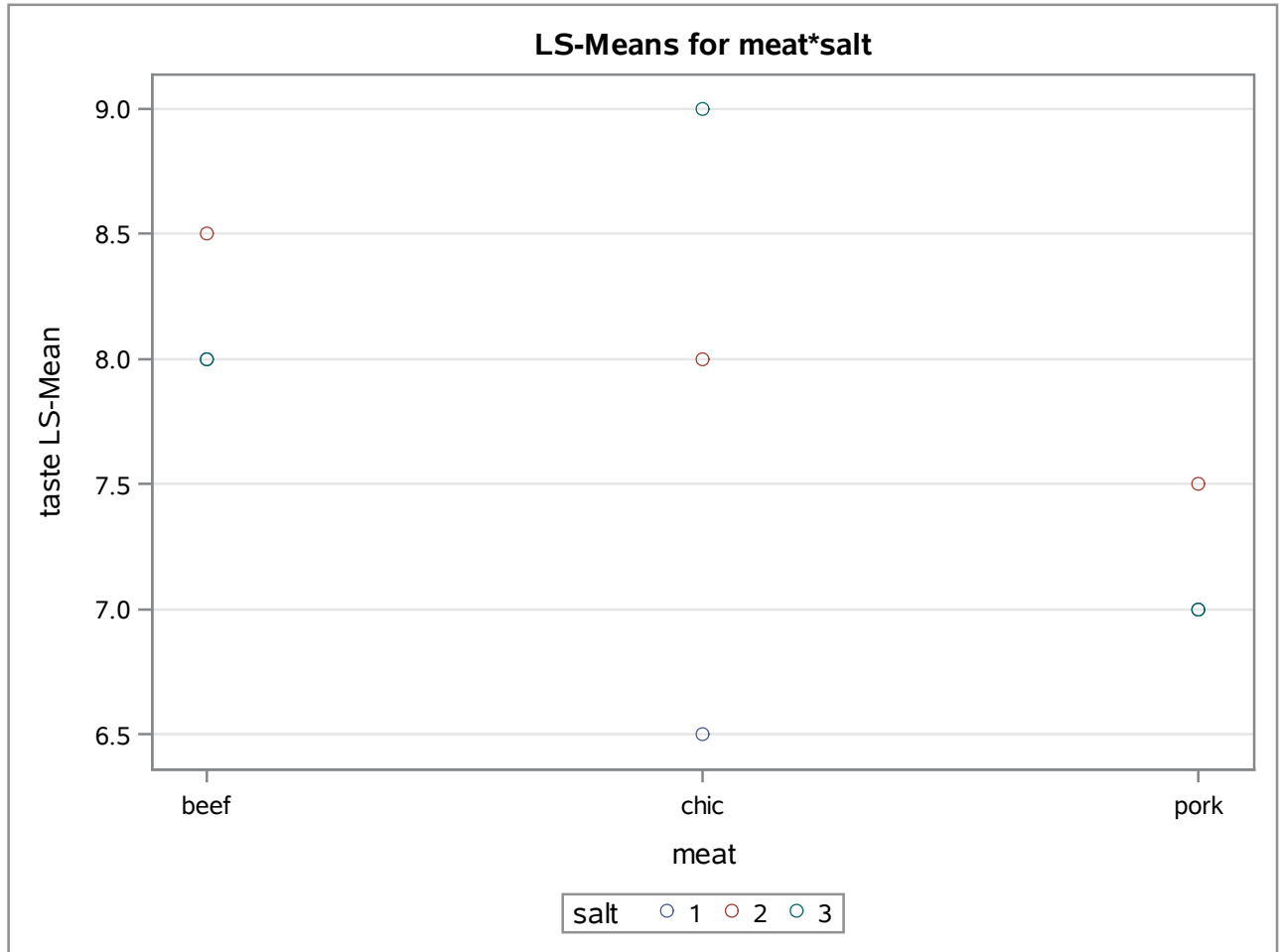


The GLM Procedure
Least Squares Means

meat	salt	taste LSMEAN
beef	1	8.00000000
beef	2	8.50000000
beef	3	8.00000000
chic	1	6.50000000
chic	2	8.00000000
chic	3	9.00000000
pork	1	7.00000000
pork	2	7.50000000
pork	3	7.00000000



The GLM Procedure
Least Squares Means

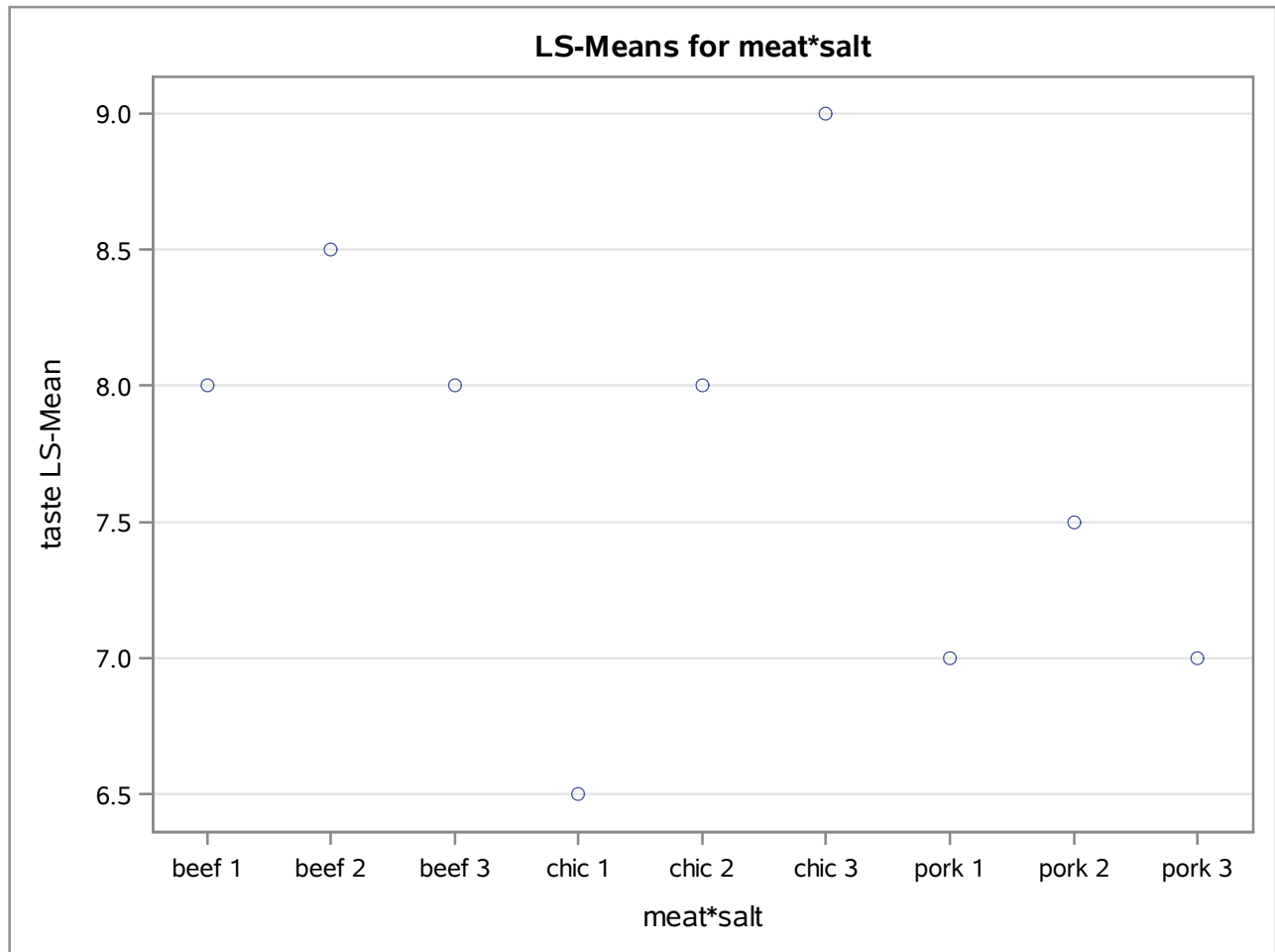


**The GLM Procedure
Least Squares Means**

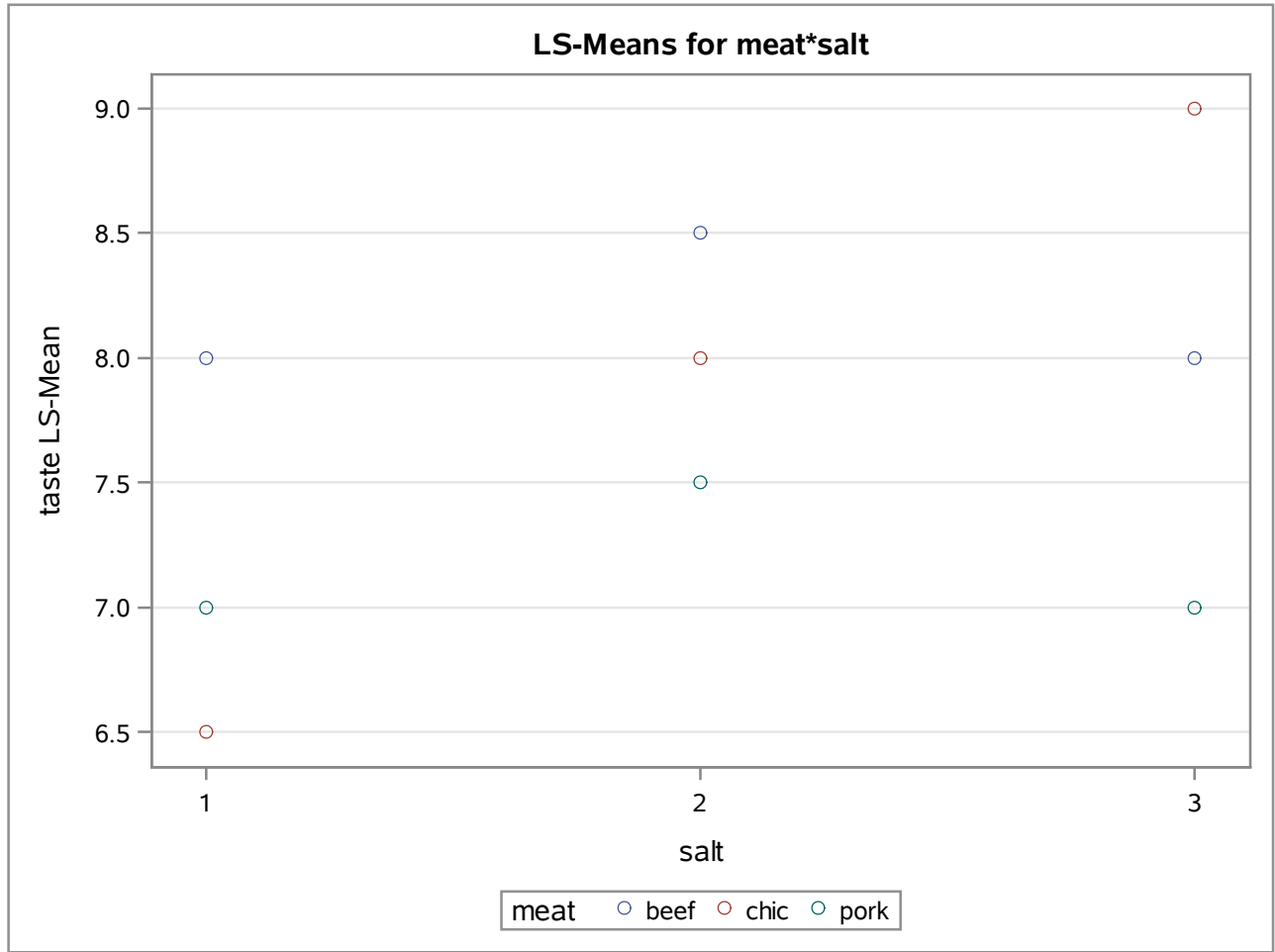
meat*salt Effect Sliced by salt for taste					
salt	DF	Sum of Squares	Mean Square	F Value	Pr > F
1	2	2.333333	1.166667	9.33	0.0064
2	2	1.000000	0.500000	4.00	0.0572
3	2	4.000000	2.000000	16.00	0.0011

**The GLM Procedure
Least Squares Means**

meat	salt	taste LSMEAN
beef	1	8.00000000
beef	2	8.50000000
beef	3	8.00000000
chic	1	6.50000000
chic	2	8.00000000
chic	3	9.00000000
pork	1	7.00000000
pork	2	7.50000000
pork	3	7.00000000



The GLM Procedure
Least Squares Means

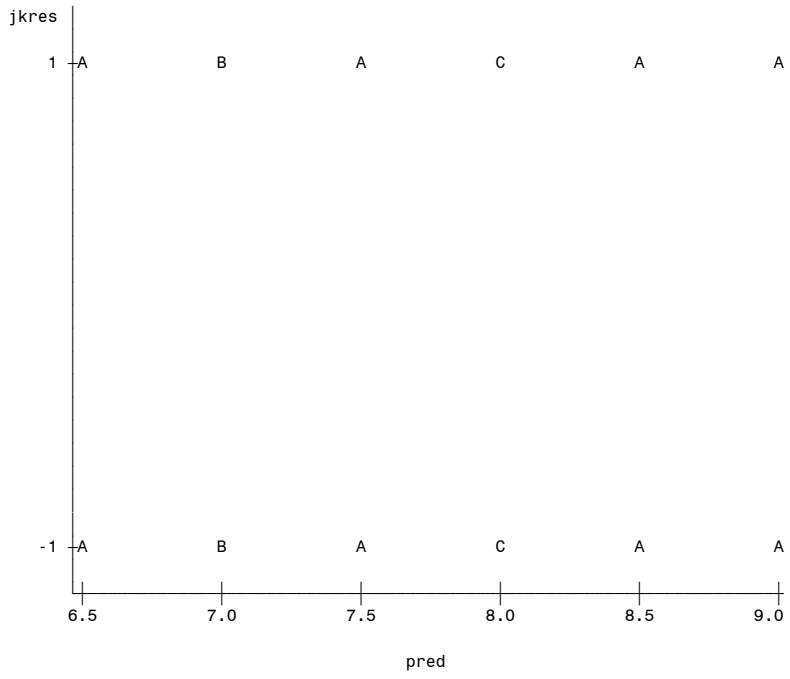


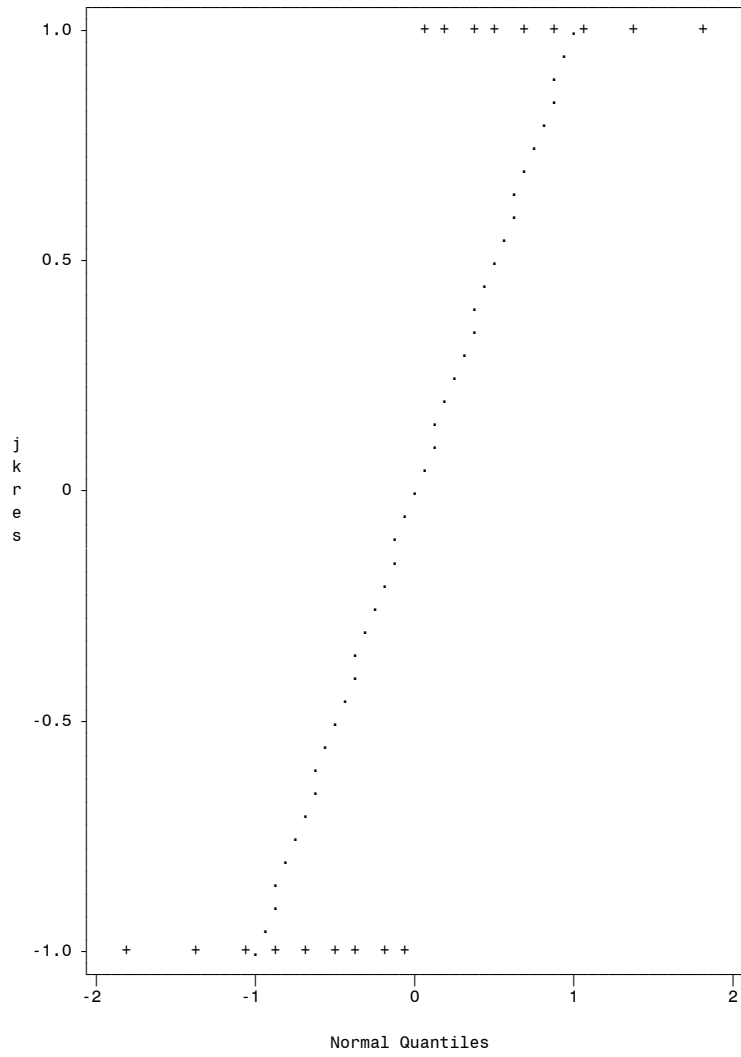
**The GLM Procedure
Least Squares Means**

meat*salt Effect Sliced by meat for taste					
meat	DF	Sum of Squares	Mean Square	F Value	Pr > F
beef	2	0.333333	0.166667	1.33	0.3111
chic	2	6.333333	3.166667	25.33	0.0002
pork	2	0.333333	0.166667	1.33	0.3111

Hot Dog Data

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



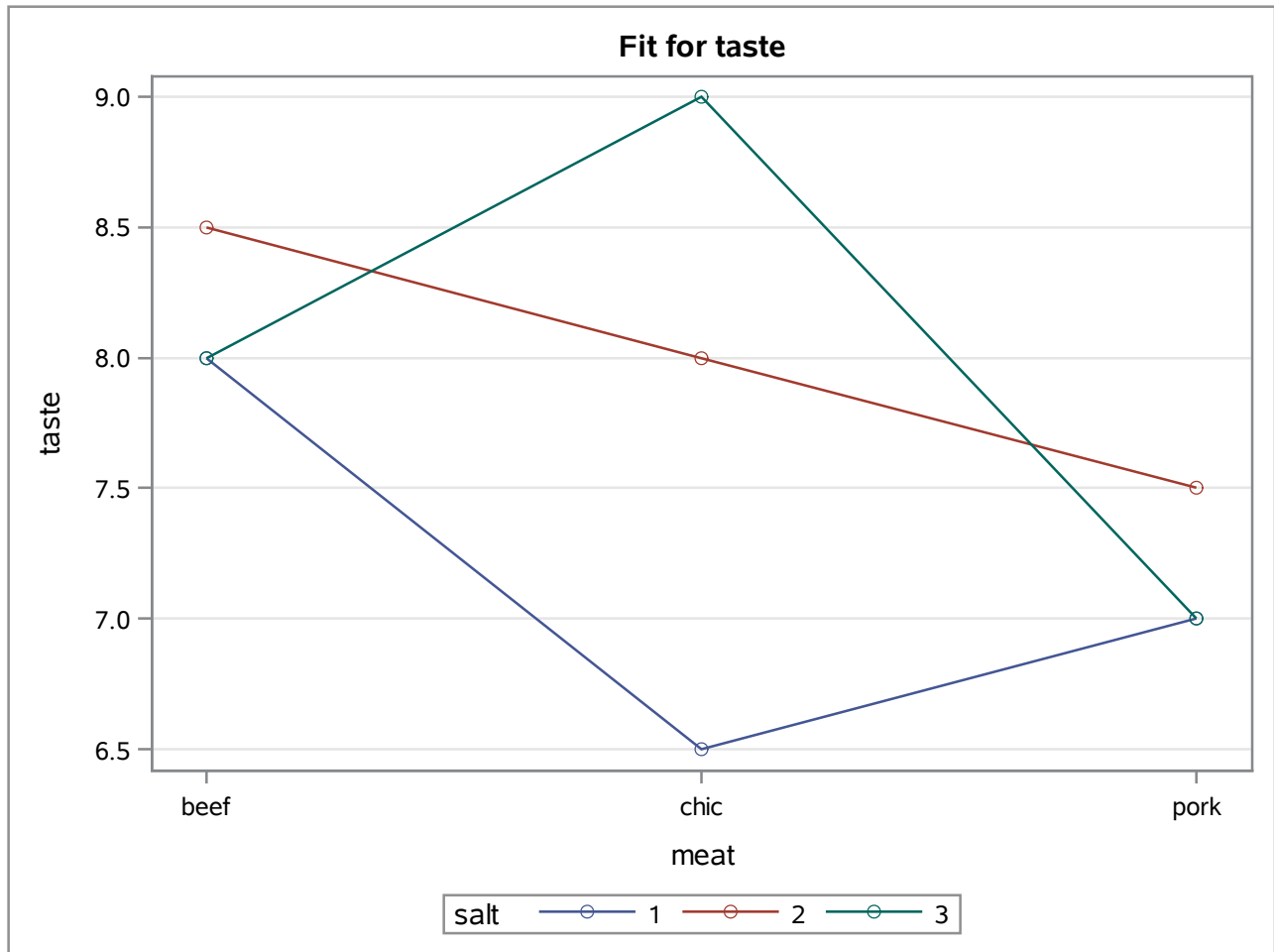


Normal Line: ... Mu=0, Sigma=1.029

The PLM Procedure

Store Information	
Item Store	WORK.HOTDOGTASTE
Data Set Created From	WORK.HOTDOG
Created By	PROC GLM
Date Created	06JUN18:16:45:34
Response Variable	taste
Class Variables	meat salt
Model Effects	Intercept meat salt meat*salt

Class Level Information		
Class	Levels	Values
meat	3	beef chic pork
salt	3	1 2 3



The PLM Procedure

