

## 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

<b>Number of Observations Read</b>	18
<b>Number of Observations Used</b>	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			

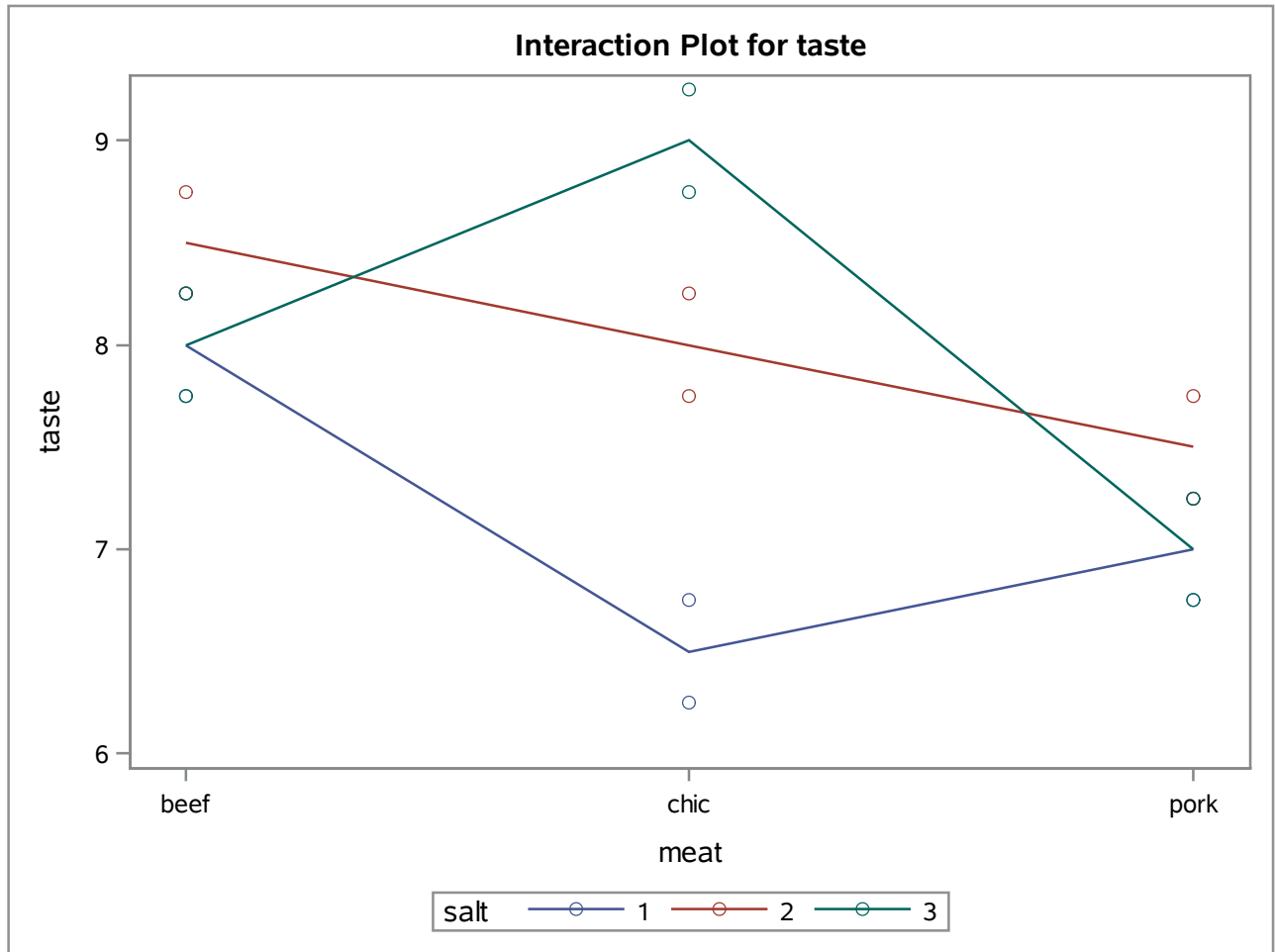
R-Square	Coeff Var	Root MSE	taste Mean
0.899876	4.578389	0.353553	7.722222

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

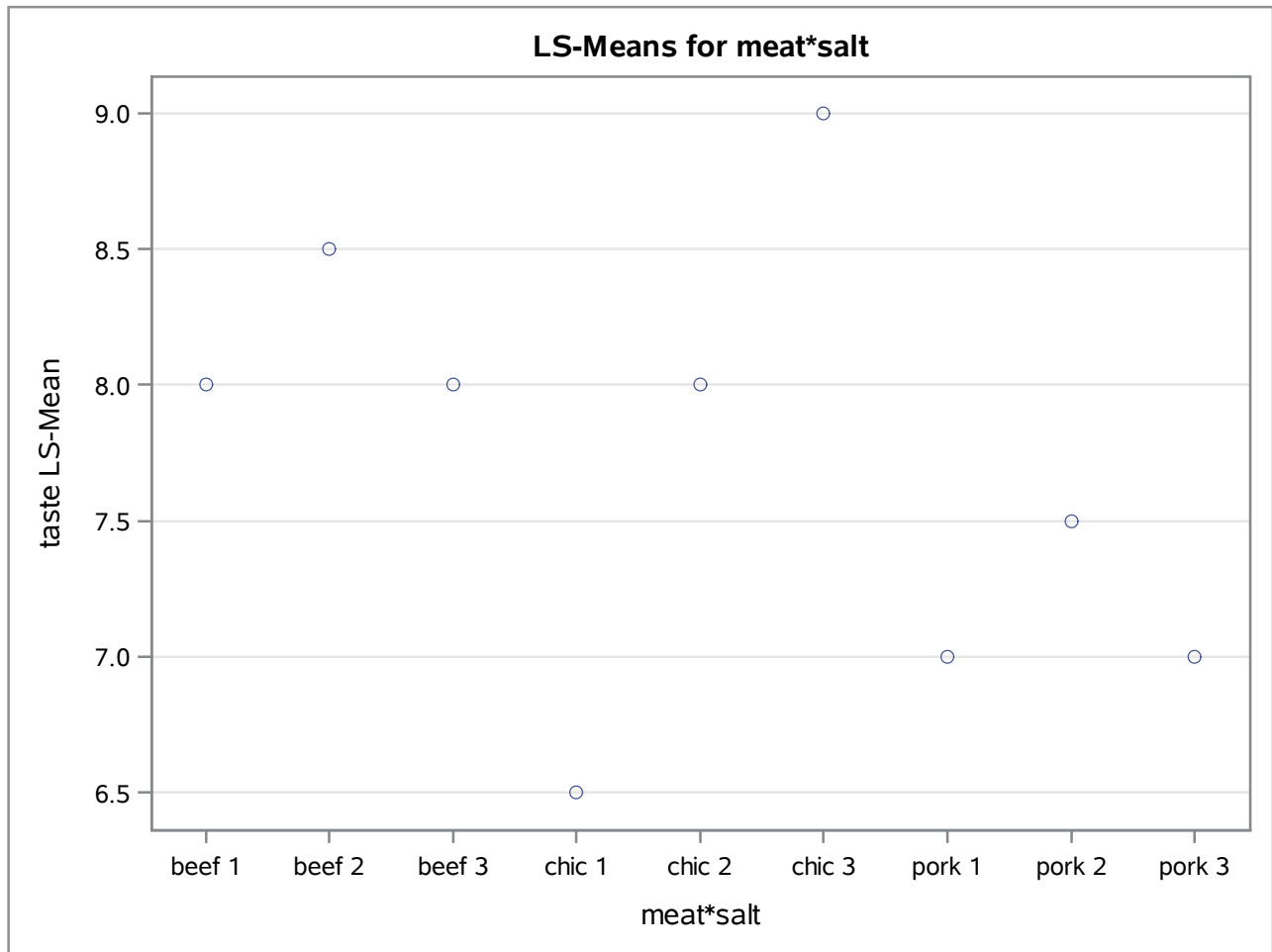
The GLM Procedure

Dependent Variable: taste



The GLM Procedure  
Least Squares Means

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

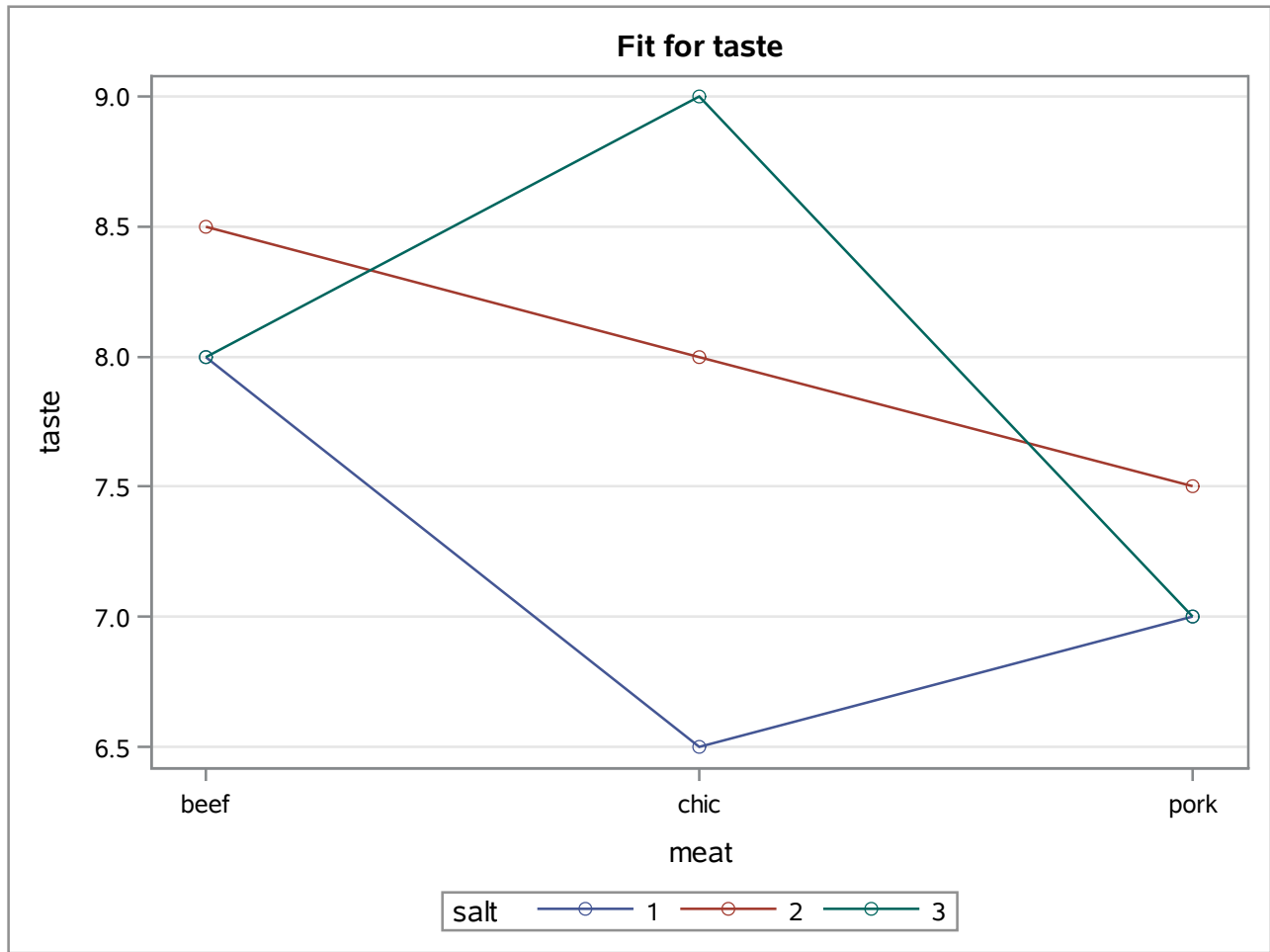


# Hot Dog Data

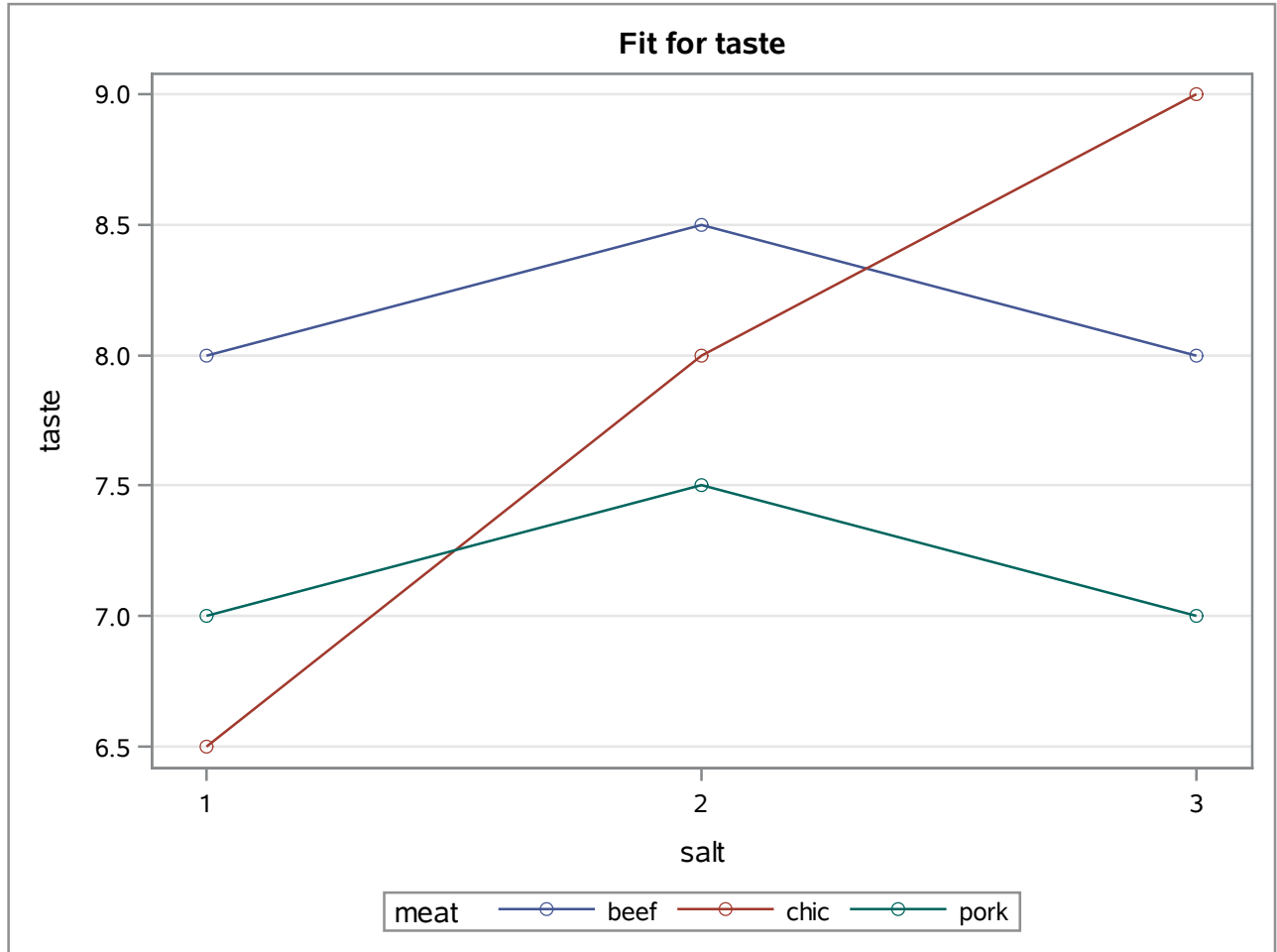
## The PLM Procedure

Store Information	
Item Store	WORK.HOTDOGTASTE
Data Set Created From	WORK.HOTDOG
Created By	PROC GLM
Date Created	06JUN18:09:15:13
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

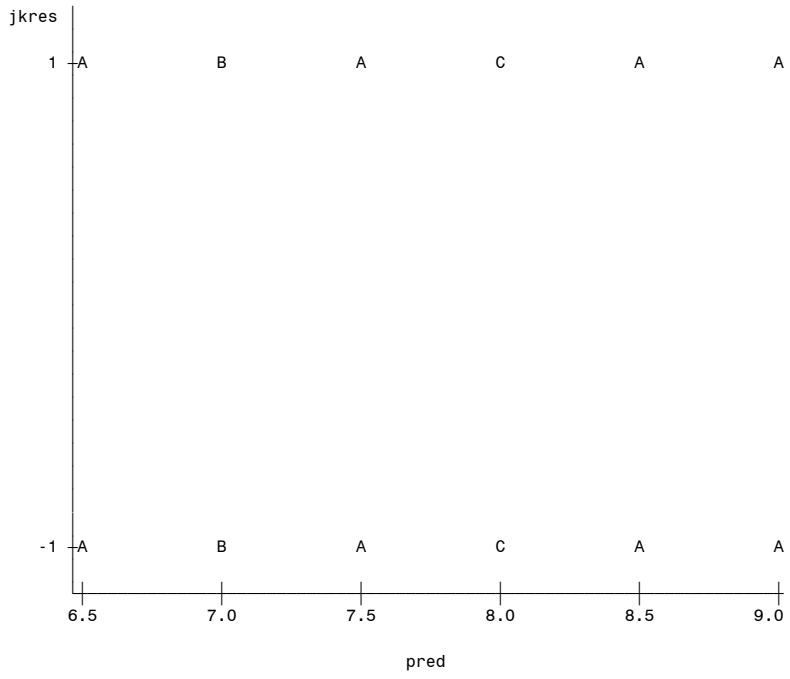


The PLM Procedure

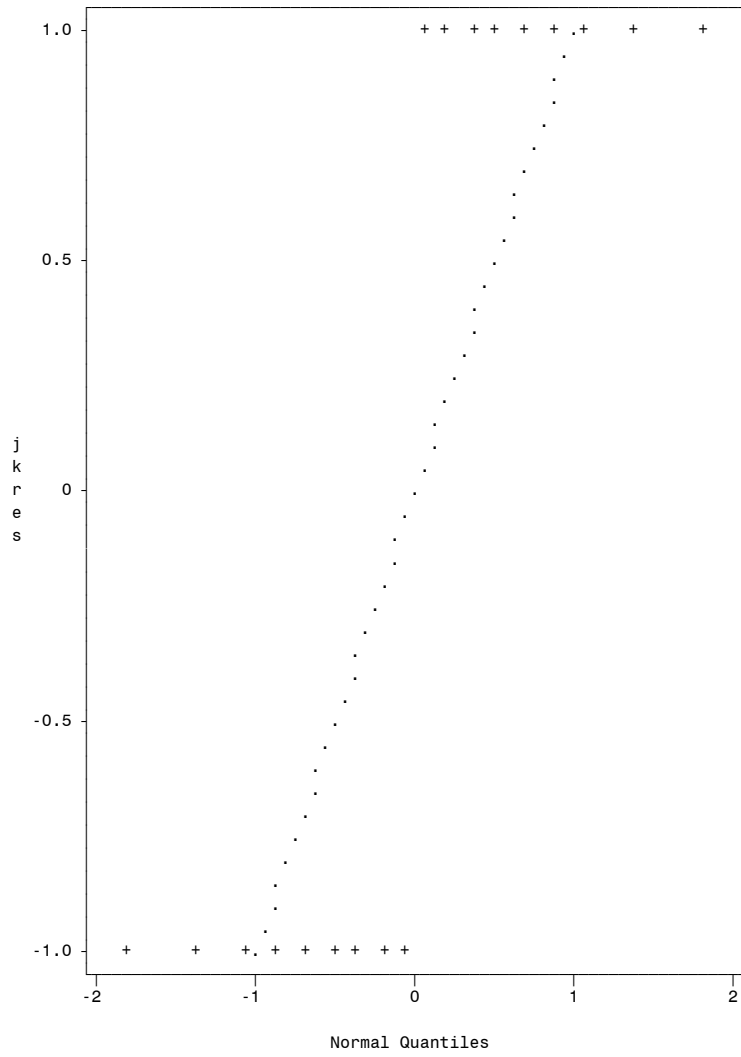


# Hot Dog Data

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







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