Class Level Information				
Class	Levels	Values		
Heating_QC	4	Average/Typical Excellent Fair Good		

Number of Observations Read	300
Number of Observations Used	300

Dependent Variable: SalePrice Sale price in dollars

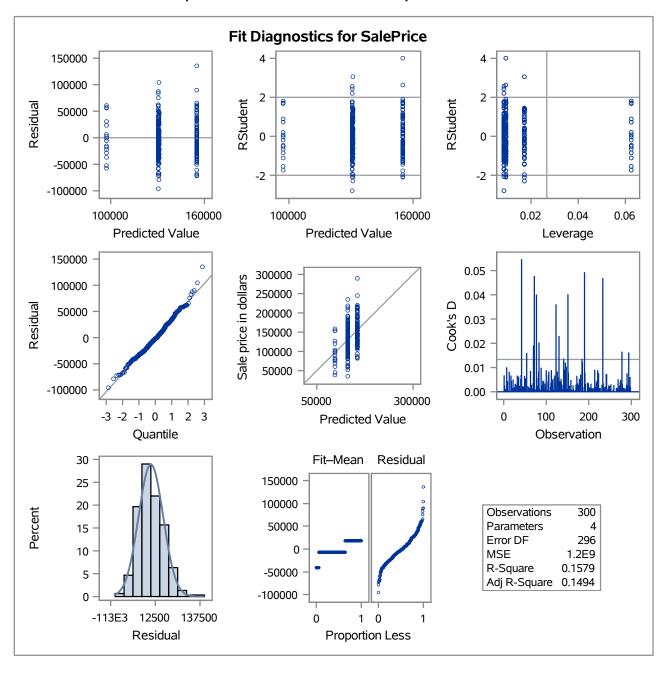
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	66835556221	22278518740	18.50	<.0001
Error	296	356387963289	1204013389.5		
Corrected Total	299	423223519511			

R-Square	Coeff Var	Root MSE	SalePrice Mean
0.157920	25.23100	34698.90	137524.9

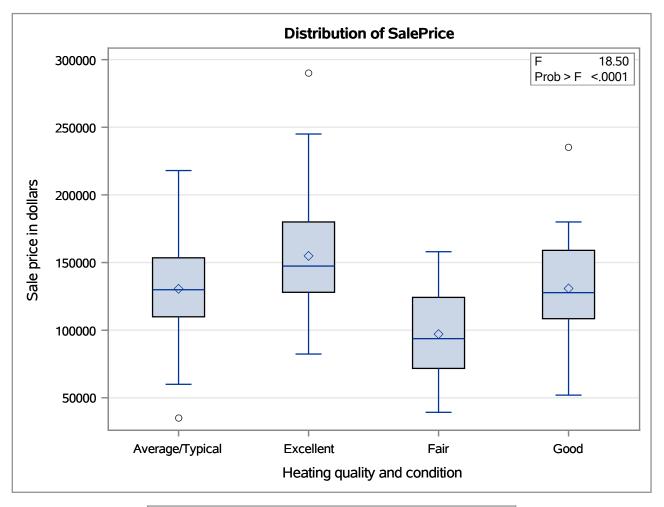
Source	DF	Type I SS	Mean Square	F Value	Pr > F
Heating_QC 3		66835556221	22278518740	18.50	<.0001

Source DF		Type III SS Mean Square		F Value	Pr > F
Heating_QC	3	66835556221	22278518740	18.50	<.0001

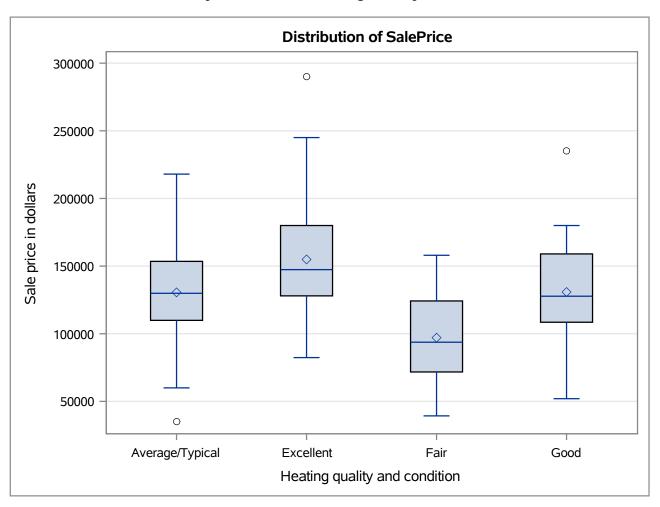
Dependent Variable: SalePrice Sale price in dollars



Dependent Variable: SalePrice Sale price in dollars



Levene's Test for Homogeneity of SalePrice Variance ANOVA of Squared Deviations from Group Means						
Source DF Squares Square F Value Pr > F						
Heating_QC	3	5.931E18	1.977E18	0.58	0.6305	
Error	296	1.014E21	3.426E18			



		SalePrice		
Level of Heating_QC	N	Mean	Std Dev	
Average/Typical	119	130573.529	32177.4508	
Excellent	107	154919.187	36822.8795	
Fair	16	97118.750	37423.5437	
Good	58	130844.086	34912.5027	

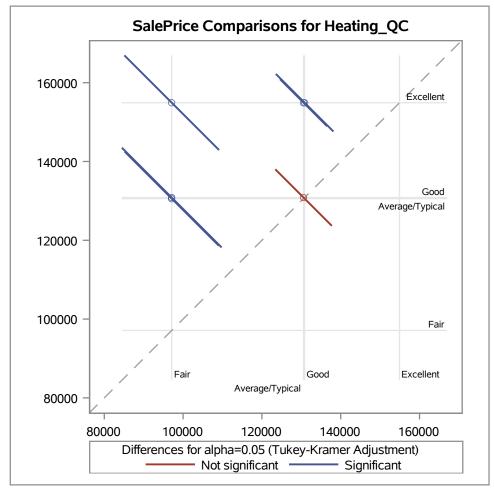
Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer

Heating_QC	SalePrice LSMEAN	LSMEAN Number
Average/Typical	130573.529	1
Excellent	154919.187	2
Fair	97118.750	3
Good	130844.086	4

Post-Hoc Analysis of ANOVA - Heating Quality as Predictor

Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect Heating_QC Pr > t for H0: LSMean(i)=LSMean(j) Dependent Variable: SalePrice								
i/j	i/j 1 2 3 4							
1		<.0001	0.0020	1.0000				
2	<.0001		<.0001	0.0002				
3	0.0020	<.0001		0.0037				
4	1.0000	0.0002	0.0037					

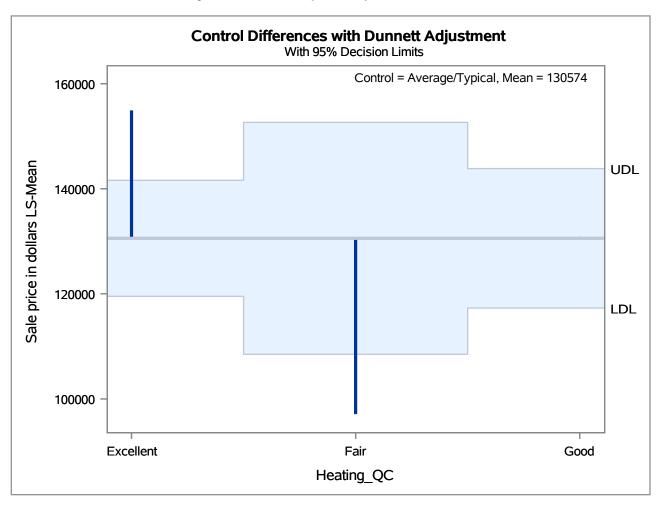


Least Squares Means Adjustment for Multiple Comparisons: Dunnett

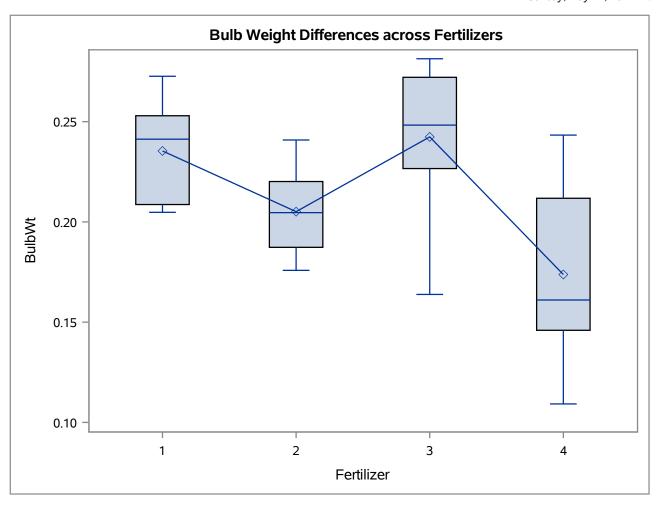
		H0:LSMean=Control
Heating_QC	SalePrice LSMEAN	Pr > t
Average/Typical	130573.529	
Excellent	154919.187	<.0001
Fair	97118.750	0.0010
Good	130844.086	0.9999

Post-Hoc Analysis of ANOVA - Heating Quality as Predictor

Least Squares Means Adjustment for Multiple Comparisons: Dunnett



Analysis Variable : BulbWt							
Fertilizer	N Obs	N	Mean	Std Dev	Minimum	Maximum	
1	8	8	0.2353998	0.0254092	0.2047856	0.2726395	
2	8	8	0.2051141	0.0222098	0.1758361	0.2408676	
3	8	8	0.2424075	0.0386855	0.1638284	0.2813780	
4	8	8	0.1737649	0.0444702	0.1092144	0.2433058	



Class Level Information				
Class Levels Values				
Fertilizer	4	1234		

Number of Observations Read	32
Number of Observations Used	32

Dependent Variable: BulbWt

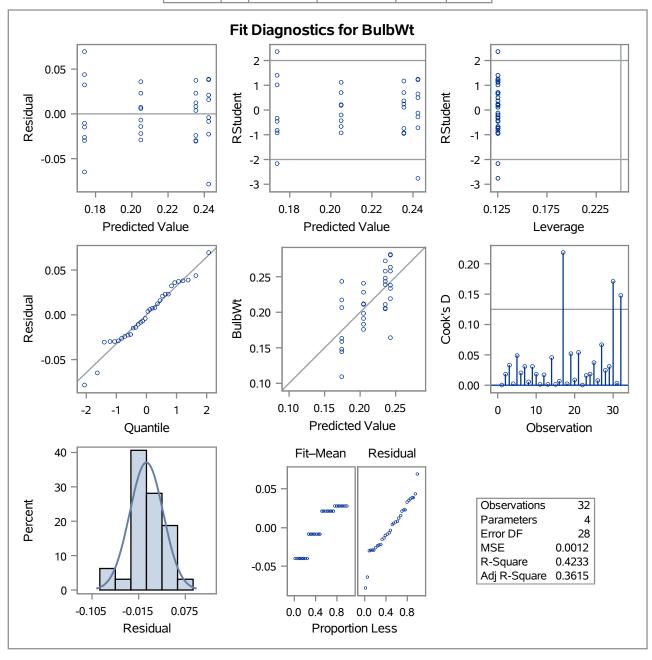
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	0.02370114	0.00790038	6.85	0.0013
Error	28	0.03229141	0.00115326		
Corrected Total	31	0.05599255			

R-Square	Square Coeff Var Root MSE		BulbWt Mean
0.423291	15.85633	0.033960	0.214172

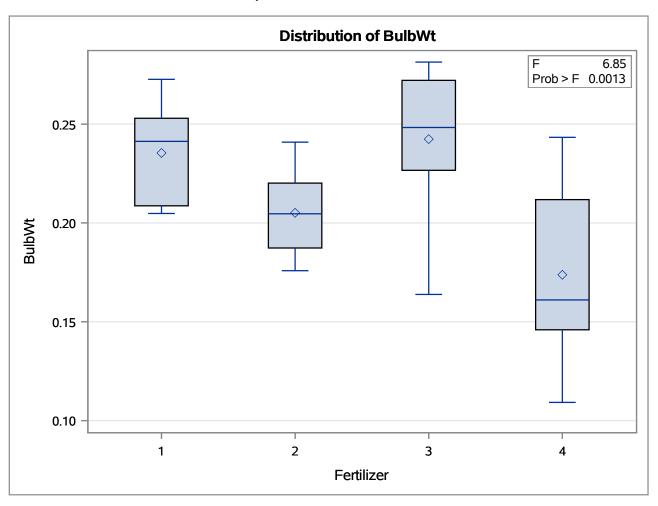
Source	DF	Type I SS	Mean Square	F Value	Pr > F
Fertilizer	3	0.02370114	0.00790038	6.85	0.0013

Dependent Variable: BulbWt

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Fertilizer	3	0.02370114	0.00790038	6.85	0.0013

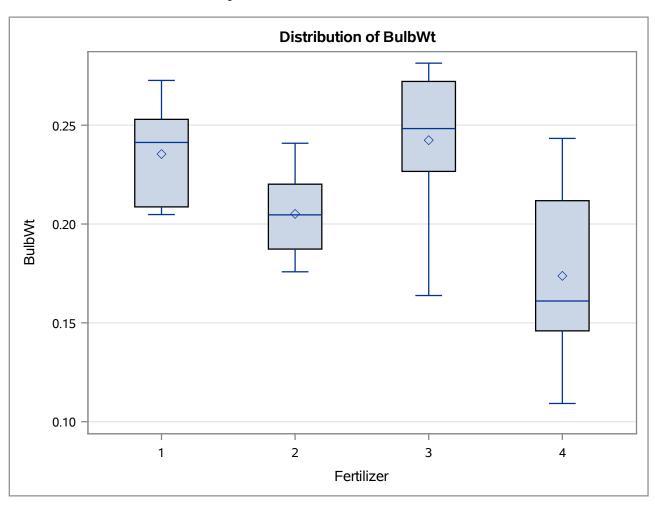


Dependent Variable: BulbWt



1	Levene's Test for Homogeneity of BulbWt Variance ANOVA of Squared Deviations from Group Means						
Source	Source DF Squares Square F Value Pr > F						
Fertilizer 3 9.13E-6 3.043E-6 1.54 0.2257							
Error	Error 28 0.000055 1.974E-6						

One-Way ANOVA with Fertilizer as Predictor



		BulbWt		
Level of Fertilizer	N	Mean	Std Dev	
1	8	0.23539981	0.02540915	
2	8	0.20511406	0.02220977	
3	8	0.24240747	0.03868547	
4	8	0.17376488	0.04447015	

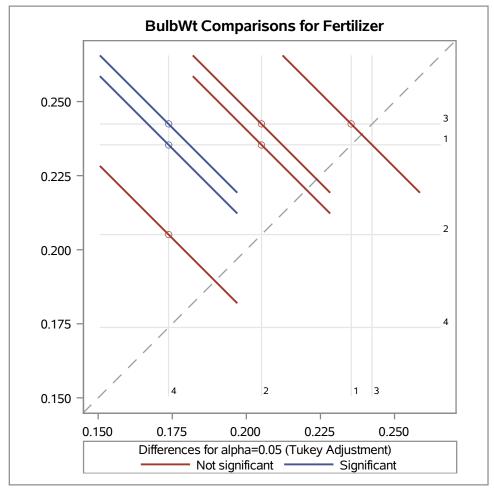
Least Squares Means Adjustment for Multiple Comparisons: Tukey

Fertilizer	BulbWt LSMEAN	LSMEAN Number
1	0.23539981	1
2	0.20511406	2
3	0.24240747	3
4	0.17376488	4

Post-Hoc Analysis of ANOVA - 'Fertilizer' as Predictor

Least Squares Means Adjustment for Multiple Comparisons: Tukey

Least Squares Means for effect Fertilizer Pr > t for H0: LSMean(i)=LSMean(j) Dependent Variable: BulbWt						
i/j	1	2	3	4		
1		0.3021	0.9758	0.0058		
2	2 0.3021 0.1490 0.2738					
3	0.9758	0.1490		0.0020		
4	0.0058	0.2738	0.0020			



Analysis Variable : BulbWt						
Fertilizer	N Obs	N	Mean	Std Dev	Minimum	Maximum
1	8	8	0.2353998	0.0254092	0.2047856	0.2726395
2	8	8	0.2051141	0.0222098	0.1758361	0.2408676
3	8	8	0.2424075	0.0386855	0.1638284	0.2813780
4	8	8	0.1737649	0.0444702	0.1092144	0.2433058

Post-Hoc Analysis of ANOVA - 'Fertilizer' as Predictor

Least Squares Means Adjustment for Multiple Comparisons: Dunnett

		H0:LSMean=Control
Fertilizer	BulbWt LSMEAN	Pr > t
1	0.23539981	0.0031
2	0.20511406	0.1801
3	0.24240747	0.0011
4	0.17376488	

