Response Counts of Detected Samples

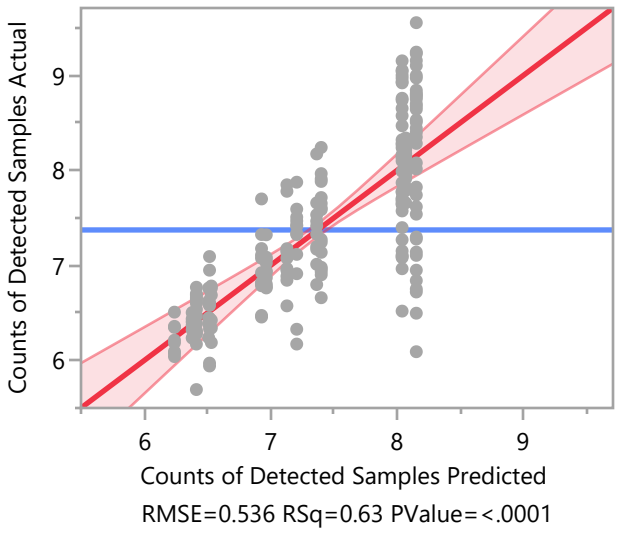
Test Type=Aerobic Plate Count

Whole Model

Effect Summary

Source	Logworth	PValue
Sample Type	18.238	0.00000
Commodity	13.469	0.00000
Sample Type*Commodity	7.374	0.00000

Actual by Predicted Plot



Summary of Fit

RSquare	0.633922
RSquare Adj	0.611144
Root Mean Square Error	0.536032
Mean of Response	7.37332
Observations (or Sum Wgts)	240

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	14	111.95056	7.99647	27.8302
Error	225	64.64935	0.28733	Prob > F
C. Total	239	176.59991		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Intercept	7.0563517	0.040745	173.18	<.0001*
Sample Type[Bootie]	0.3899611	0.0539	7.23	<.0001*
Sample Type[Drag]	0.2518798	0.0539	4.67	<.0001*
Commodity[Apples]	0.1797394	0.074103	2.43	0.0161*
Commodity[Beets]	-0.200698	0.089695	-2.24	0.0262*
Commodity[Leafy Greens]	-0.02232	0.089695	-0.25	0.8037

Response Counts of Detected Samples

Test Type=Aerobic Plate Count

Whole Model

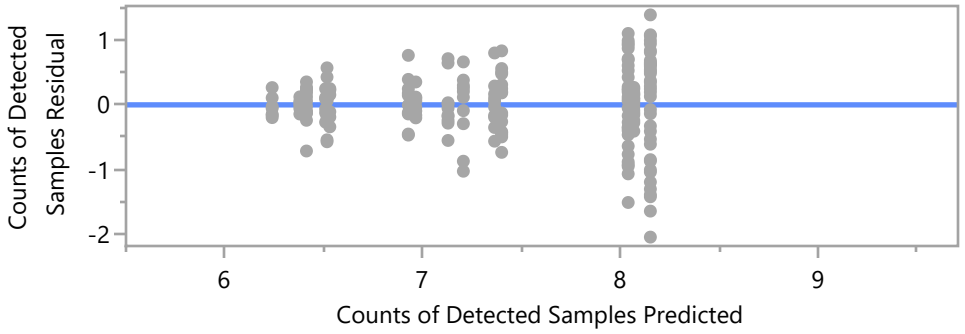
Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Commodity[Melons]	0.4788971	0.059797	8.01	<.0001*
Sample Type[Bootie]*Commodity[Apples]	0.4425325	0.098029	4.51	<.0001*
Sample Type[Bootie]*Commodity[Beets]	-0.116599	0.118656	-0.98	0.3268
Sample Type[Bootie]*Commodity[Leafy Greens]	-0.059445	0.118656	-0.50	0.6169
Sample Type[Bootie]*Commodity[Melons]	0.2273238	0.079104	2.87	0.0044*
Sample Type[Drag]*Commodity[Apples]	-0.087678	0.098029	-0.89	0.3721
Sample Type[Drag]*Commodity[Beets]	-0.179348	0.118656	-1.51	0.1321
Sample Type[Drag]*Commodity[Leafy Greens]	-0.079354	0.118656	-0.67	0.5043
Sample Type[Drag]*Commodity[Melons]	0.2531769	0.079104	3.20	0.0016*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Sample Type	2	2	29.253613	50.9059	<.0001*
Commodity	4	4	23.152777	20.1447	<.0001*
Sample Type*Commodity	8	8	15.830559	6.8869	<.0001*

Residual by Predicted Plot

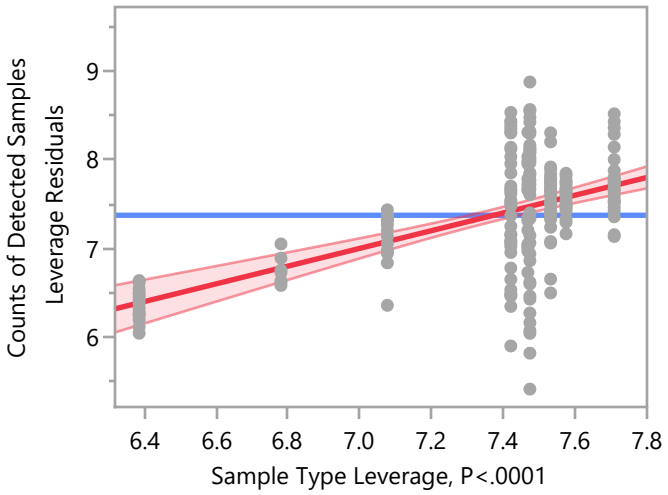


Response Counts of Detected Samples

Test Type=Aerobic Plate Count

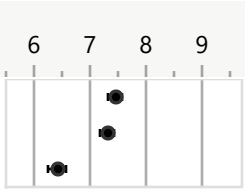
Sample Type

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Bootie	7.44631	0.0611	7.7041
Drag	7.30823	0.0611	7.5294
Grabs	6.41451	0.0864	6.3995



LSMeans Differences Tukey HSD

α= 0.050 Q= 2.35939

Level			Least Sq Mean	Std Error
Bootie	A		7.4463	0.06112
Drag	A		7.3082	0.06112
Grabs		B	6.4145	0.08643

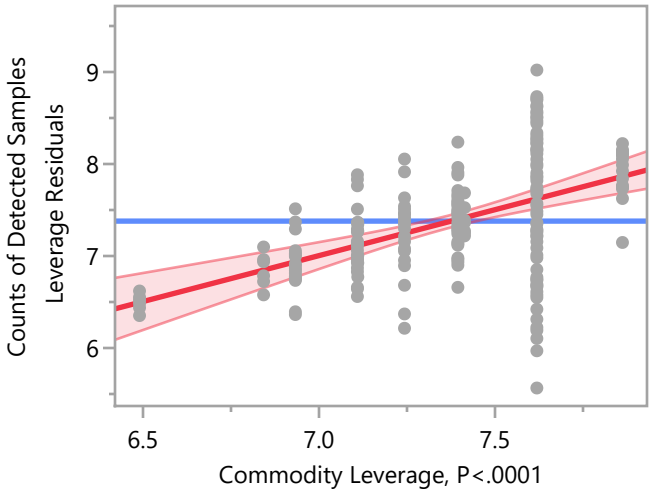
Levels not connected by same letter are significantly different.

Response Counts of Detected Samples

Test Type=Aerobic Plate Count

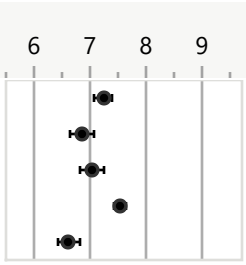
Commodity

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Apples	7.23609	0.0799	7.4354
Beets	6.85565	0.1032	6.9248
Leafy Greens	7.03403	0.1032	7.1346
Melons	7.53525	0.0565	7.7597
Peppers	6.62073	0.1032	6.6690



LSMeans Differences Tukey HSD

α= 0.050 Q= 2.75003

Level					Least Sq Mean	Std Error
Melons	A				7.5352	0.05650
Apples		B			7.2361	0.07991
Leafy Greens		B	C		7.0340	0.10316
Beets			C	D	6.8557	0.10316
Peppers				D	6.6207	0.10316

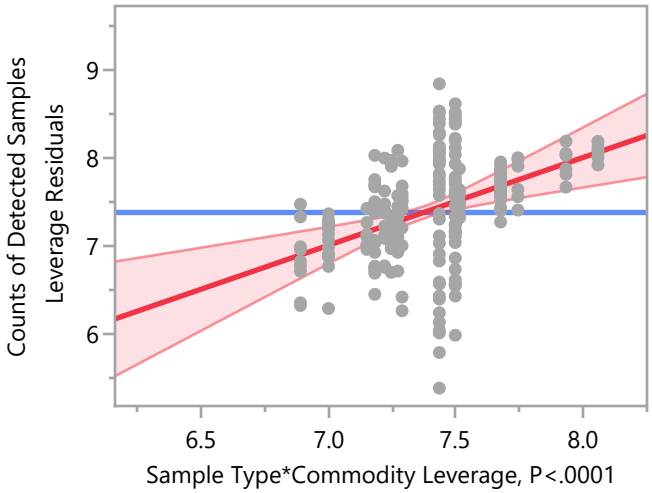
Levels not connected by same letter are significantly different.

Response Counts of Detected Samples

Test Type=Aerobic Plate Count

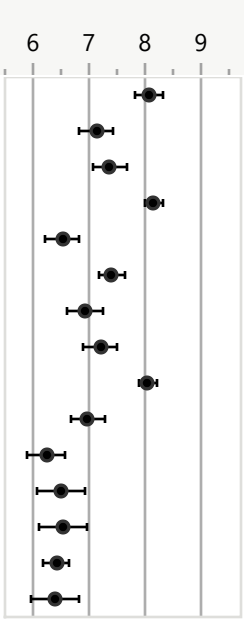
Sample Type*Commodity

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error
Bootie,Apples	8.06858	0.1199
Bootie,Beets	7.12902	0.1547
Bootie,Leafy Greens	7.36455	0.1547
Bootie,Melons	8.15253	0.0848
Bootie,Peppers	6.51688	0.1547
Drag,Apples	7.40029	0.1199
Drag,Beets	6.92819	0.1547
Drag,Leafy Greens	7.20656	0.1547
Drag,Melons	8.04031	0.0848
Drag,Peppers	6.96582	0.1547
Grabs,Apples	6.23940	0.1695
Grabs,Beets	6.50976	0.2188
Grabs,Leafy Greens	6.53099	0.2188
Grabs,Melons	6.41291	0.1199
Grabs,Peppers	6.37950	0.2188



LSMeans Differences Tukey HSD

α= 0.050 Q= 3.42959

Response Counts of Detected Samples

Test Type=Aerobic Plate Count

Sample Type*Commodity

LSMeans Differences Tukey HSD

Level						Least Sq Mean	Std Error
Bootie,Melons	A					8.1525	0.08475
Bootie,Apples	A					8.0686	0.11986
Drag,Melons	A					8.0403	0.08475
Drag,Apples		B				7.4003	0.11986
Bootie,Leafy Greens		B	C			7.3645	0.15474
Drag,Leafy Greens		B	C	D		7.2066	0.15474
Bootie,Beets		B	C	D		7.1290	0.15474
Drag,Peppers		B	C	D	E	6.9658	0.15474
Drag,Beets		B	C	D	E	6.9282	0.15474
Grabs,Leafy Greens			C	D	E	6.5310	0.21883
Bootie,Peppers				D	E	6.5169	0.15474
Grabs,Beets			C	D	E	6.5098	0.21883
Grabs,Melons					E	6.4129	0.11986
Grabs,Peppers				D	E	6.3795	0.21883
Grabs,Apples					E	6.2394	0.16951

Levels not connected by same letter are significantly different.

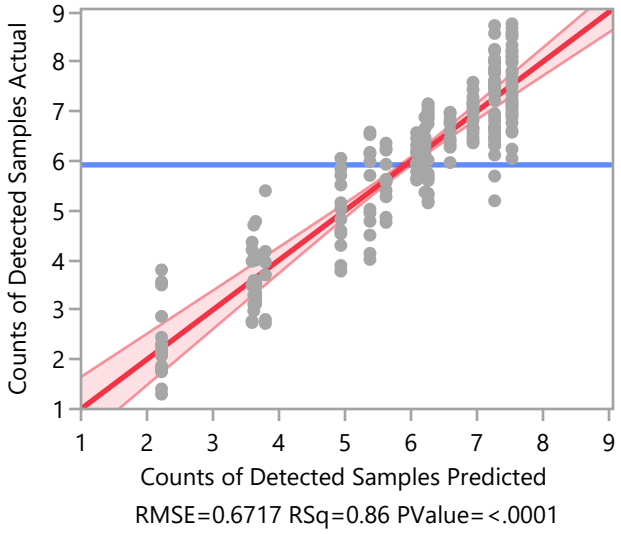
Test Type=Total Coliform

Whole Model

Effect Summary

Source	Logworth	PValue
Sample Type	62.833	0.00000
Sample Type*Commodity	25.283	0.00000
Commodity	10.062	0.00000 ^

Actual by Predicted Plot



Response Counts of Detected Samples

Test Type=Total Coliform

Whole Model

Summary of Fit

RSquare	0.863464
RSquare Adj	0.854968
Root Mean Square Error	0.671683
Mean of Response	5.921278
Observations (or Sum Wgts)	240

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	14	641.95965	45.8543	101.6367
Error	225	101.51065	0.4512	Prob > F
C. Total	239	743.47030		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Intercept	5.3133384	0.051056	104.07	<.0001*
Sample Type[Bootie]	1.1420612	0.06754	16.91	<.0001*
Sample Type[Drag]	0.8007614	0.06754	11.86	<.0001*
Commodity[Apples]	0.3027635	0.092855	3.26	0.0013*
Commodity[Beets]	-0.213458	0.112394	-1.90	0.0588
Commodity[Leafy Greens]	0.2201121	0.112394	1.96	0.0514
Commodity[Melons]	0.360576	0.074929	4.81	<.0001*
Sample Type[Bootie]*Commodity[Apples]	0.1852579	0.122836	1.51	0.1329
Sample Type[Bootie]*Commodity[Beets]	-0.154412	0.148683	-1.04	0.3001
Sample Type[Bootie]*Commodity[Leafy Greens]	-0.079824	0.148683	-0.54	0.5919
Sample Type[Bootie]*Commodity[Melons]	0.4558421	0.099122	4.60	<.0001*
Sample Type[Drag]*Commodity[Apples]	-0.155281	0.122836	-1.26	0.2075
Sample Type[Drag]*Commodity[Beets]	-0.277583	0.148683	-1.87	0.0632
Sample Type[Drag]*Commodity[Leafy Greens]	-0.120596	0.148683	-0.81	0.4182
Sample Type[Drag]*Commodity[Melons]	1.0609052	0.099122	10.70	<.0001*

Effect Tests

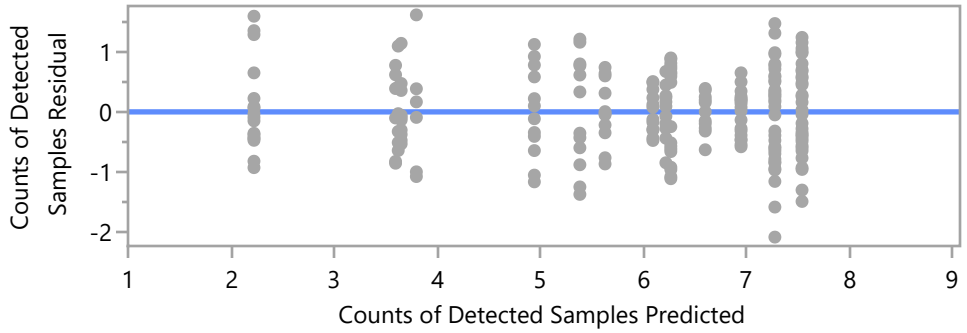
Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Sample Type	2	2	265.79587	294.5704	<.0001*
Commodity	4	4	26.81195	14.8573	<.0001*
Sample Type*Commodity	8	8	84.80295	23.4959	<.0001*

Response Counts of Detected Samples

Test Type=Total Coliform

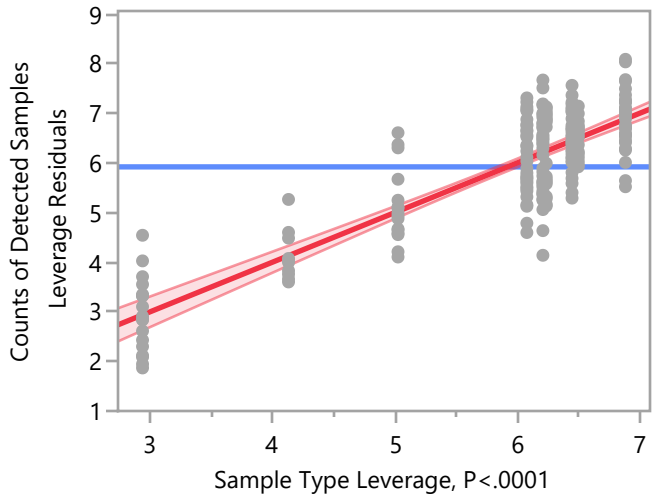
Whole Model

Residual by Predicted Plot



Sample Type

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Bootie	6.45540	0.0766	6.7342
Drag	6.11410	0.0766	6.5410
Grabs	3.37052	0.1083	3.0560

LSMeans Differences Tukey HSD

α= 0.050 Q= 2.35939

Level				Least Sq Mean	Std Error
Bootie	A			6.4554	0.07658
Drag		B		6.1141	0.07658
Grabs			C	3.3705	0.10831

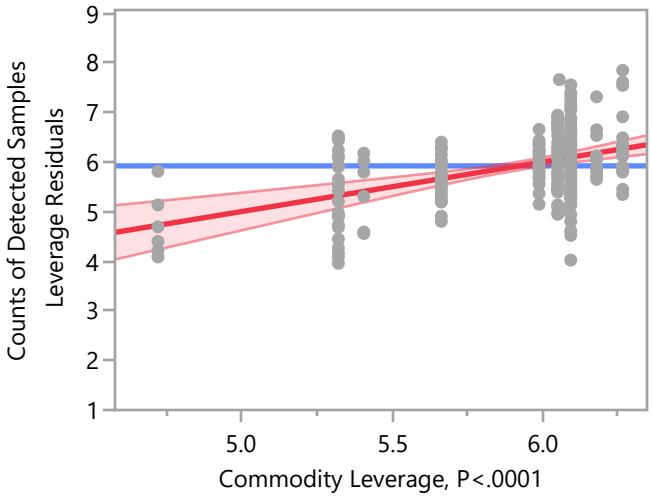
Levels not connected by same letter are significantly different.

Response Counts of Detected Samples

Test Type=Total Coliform

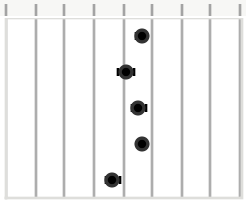
Commodity

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Apples	5.61610	0.1001	6.0107
Beets	5.09988	0.1293	5.4020
Leafy Greens	5.53345	0.1293	5.8819
Melons	5.67391	0.0708	6.3658
Peppers	4.64334	0.1293	4.8490



LSMeans Differences Tukey HSD

α= 0.050 Q= 2.75003

Level				Least Sq Mean	Std Error
Melons	A			5.6739	0.07080
Apples	A			5.6161	0.10013
Leafy Greens	A	B		5.5335	0.12927
Beets		B	C	5.0999	0.12927
Peppers			C	4.6433	0.12927

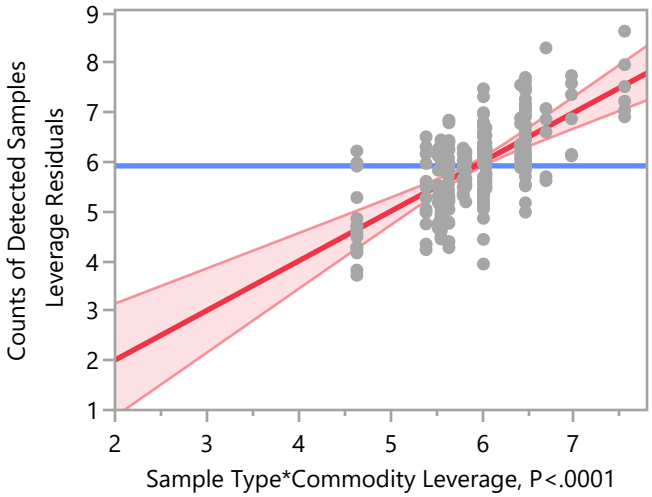
Levels not connected by same letter are significantly different.

Response Counts of Detected Samples

Test Type=Total Coliform

Sample Type*Commodity

Leverage Plot



LSMeans Differences Tukey HSD

α= 0.050 Q= 3.42959

Level											Least Sq Mean	Std Error
Drag,Melons	A										7.5356	0.10620
Bootie,Melons	A	B									7.2718	0.10620
Bootie,Apples	A	B	C								6.9434	0.15019
Bootie,Leafy Greens		B	C	D							6.5957	0.19390
Drag,Apples			C	D	E						6.2616	0.15019
Drag,Leafy Greens			C	D	E	F					6.2136	0.19390
Bootie,Beets				D	E	F					6.0875	0.19390
Drag,Beets					E	F	G				5.6231	0.19390
Bootie,Peppers						F	G				5.3785	0.19390
Drag,Peppers							G	H			4.9367	0.19390
Grabs,Leafy Greens								H	I		3.7910	0.27421
Grabs,Apples									I		3.6433	0.21240
Grabs,Peppers									I		3.6148	0.27421
Grabs,Beets									I		3.5891	0.27421
Grabs,Melons										J	2.2143	0.15019

Levels not connected by same letter are significantly different.