

Appendix – B Analysis Output

Method

Null hypothesis	All means are equal
Alternative hypothesis	Not all means are equal
Significance level	$\alpha = 0.05$

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	2	Total_Production_Non, Total_Production

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	1	27740882	27740882	53.19	0.000
Error	38	19819804	521574		
Total	39	47560686			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
722.201	58.33%	57.23%	53.83%

Means

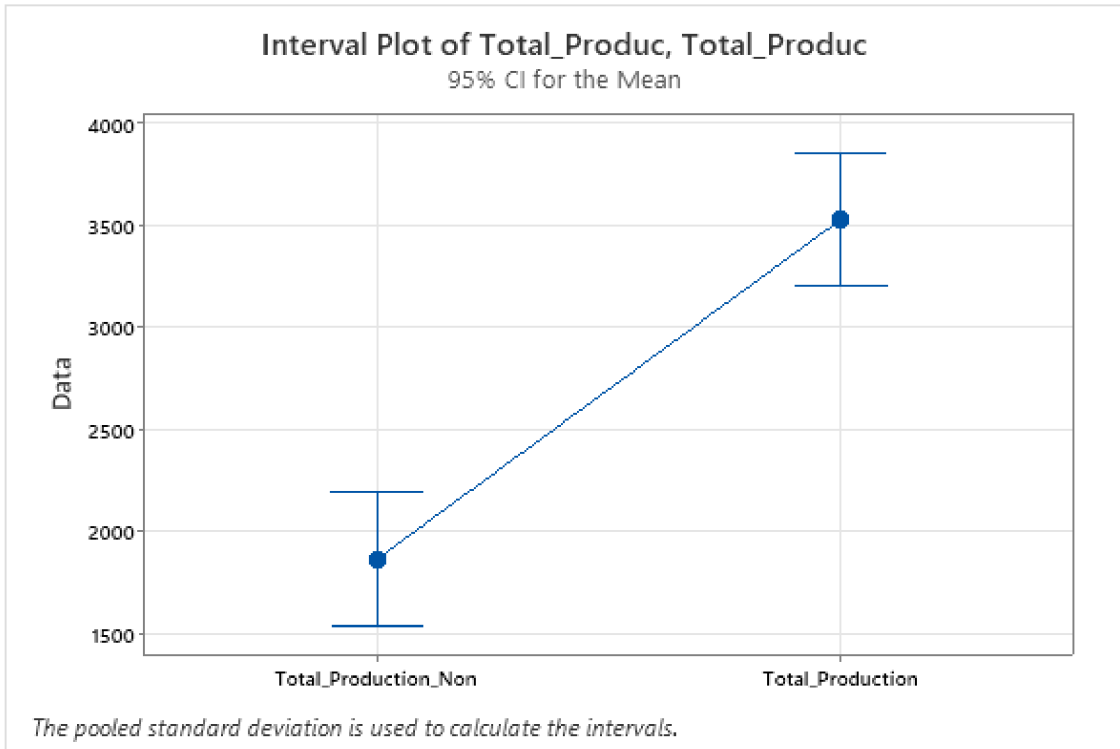
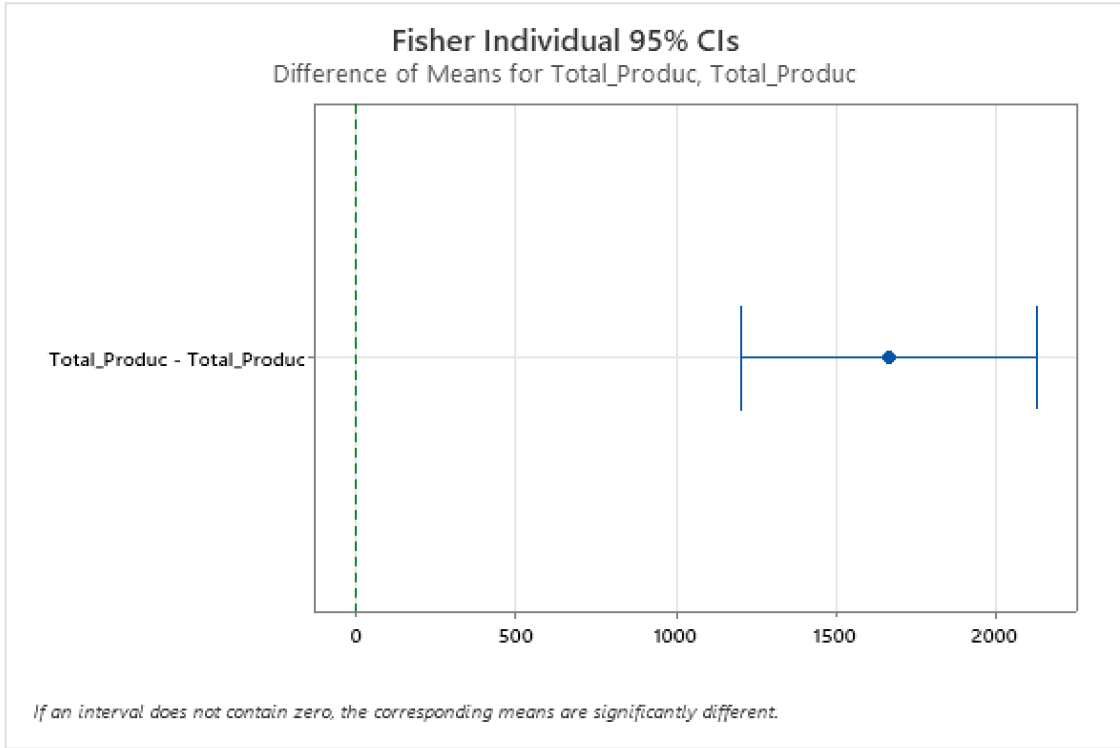
Factor	N	Mean	StDev	95% CI
Total_Production_Non	20	1862	558	(1535, 2188)
Total_Production	20	3527	855	(3200, 3854)

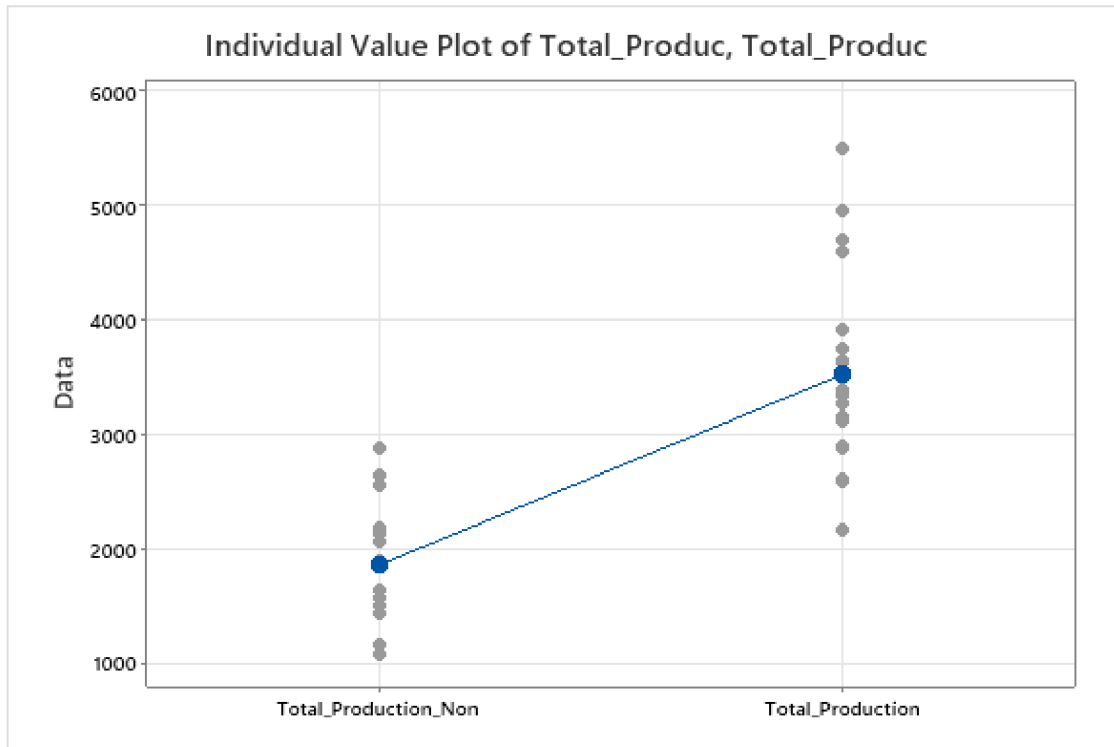
Pooled StDev = 722.201

Grouping Information Using the Fisher LSD Method and 95% Confidence

Factor	N	Mean	Grouping
Total_Production	20	3527	A
Total_Production_Non	20	1862	B

Means that do not share a letter are significantly different.





Method

Null hypothesis All means are equal
 Alternative hypothesis Not all means are equal
 Significance level $\alpha = 0.05$

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	2	Exports_Non, Exports

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	1	22289205	22289205	55.42	0.000
Error	38	15284083	402213		
Total	39	37573288			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
634.202	59.32%	58.25%	54.93%

Means

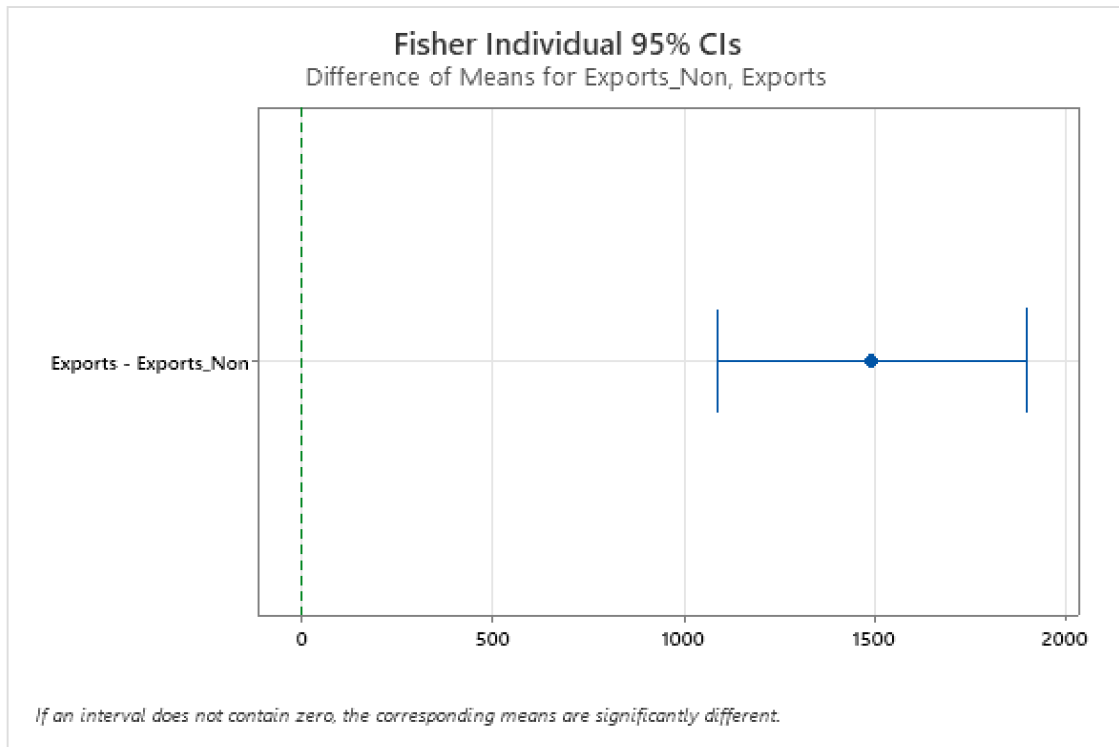
Factor	N	Mean	StDev	95% CI
Exports_Non	20	1702	539	(1415, 1989)
Exports	20	3195	717	(2908, 3482)

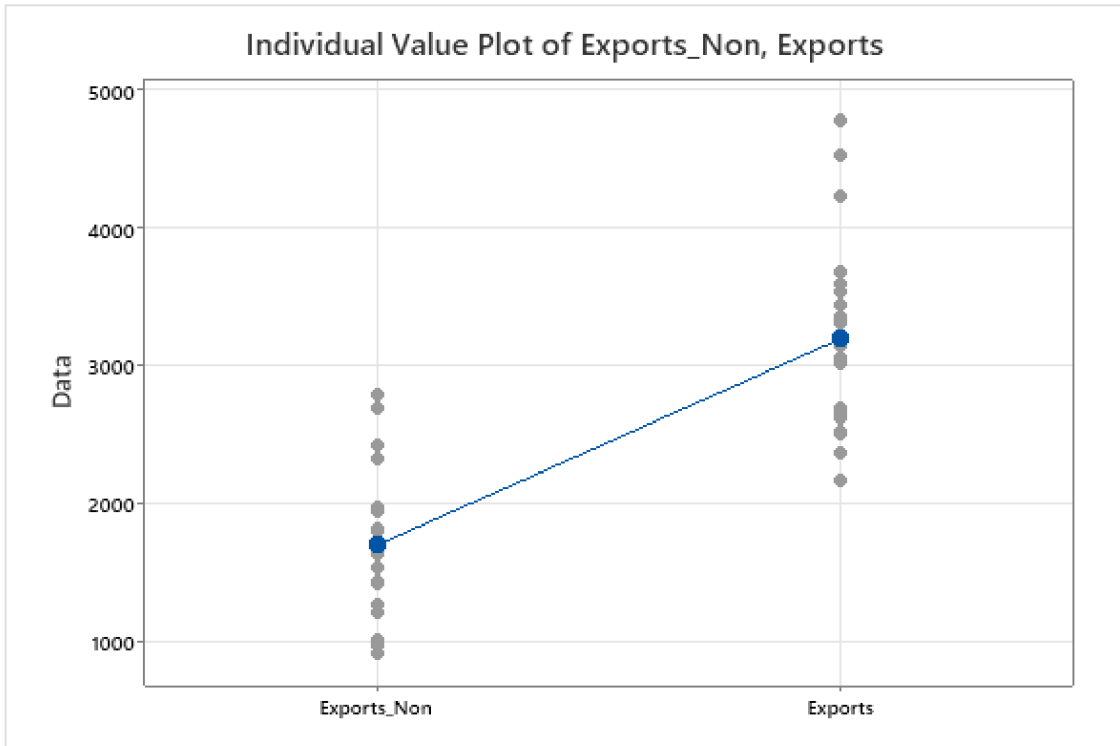
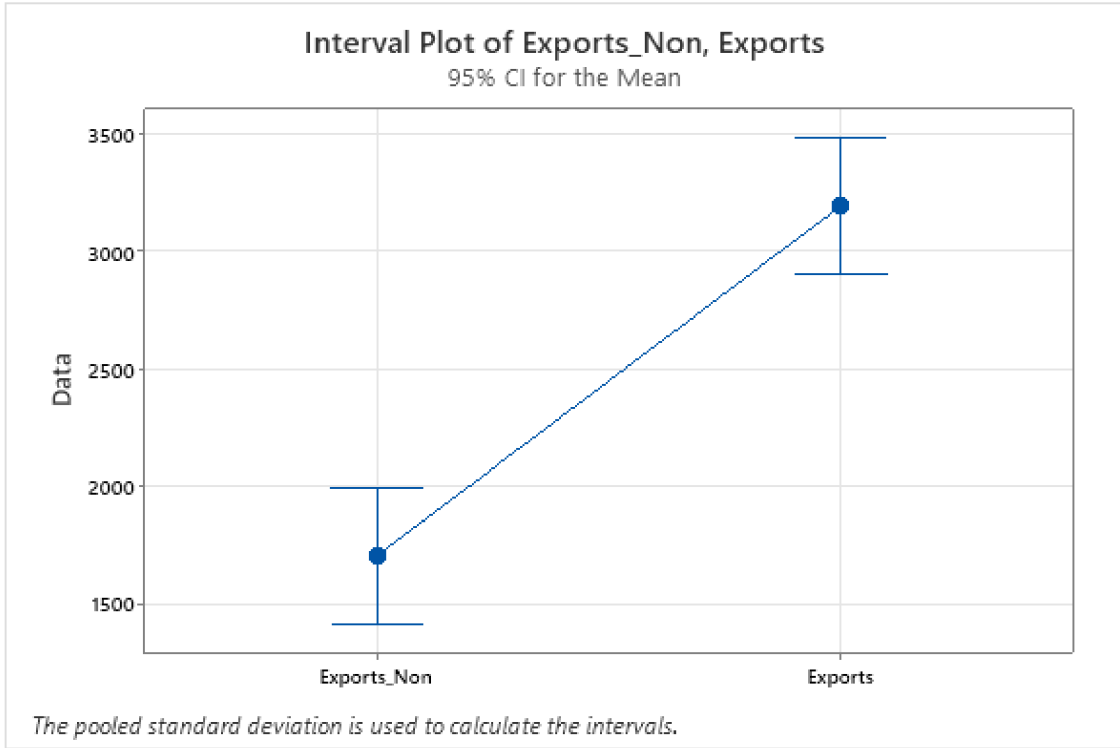
Pooled StDev = 634.202

Grouping Information Using the Fisher LSD Method and 95% Confidence

Factor	N	Mean	Grouping
Exports	20	3195	A
Exports_Non	20	1702	B

Means that do not share a letter are significantly different.





Method

Null hypothesis All means are equal
 Alternative hypothesis Not all means are equal
 Significance level $\alpha = 0.05$

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	2	Price_paid_to_farmers_Non, Price_paid_to_farmers

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	1	5786	5786.0	18.36	0.000
Error	38	11978	315.2		
Total	39	17764			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
17.7545	32.57%	30.80%	25.29%

Means

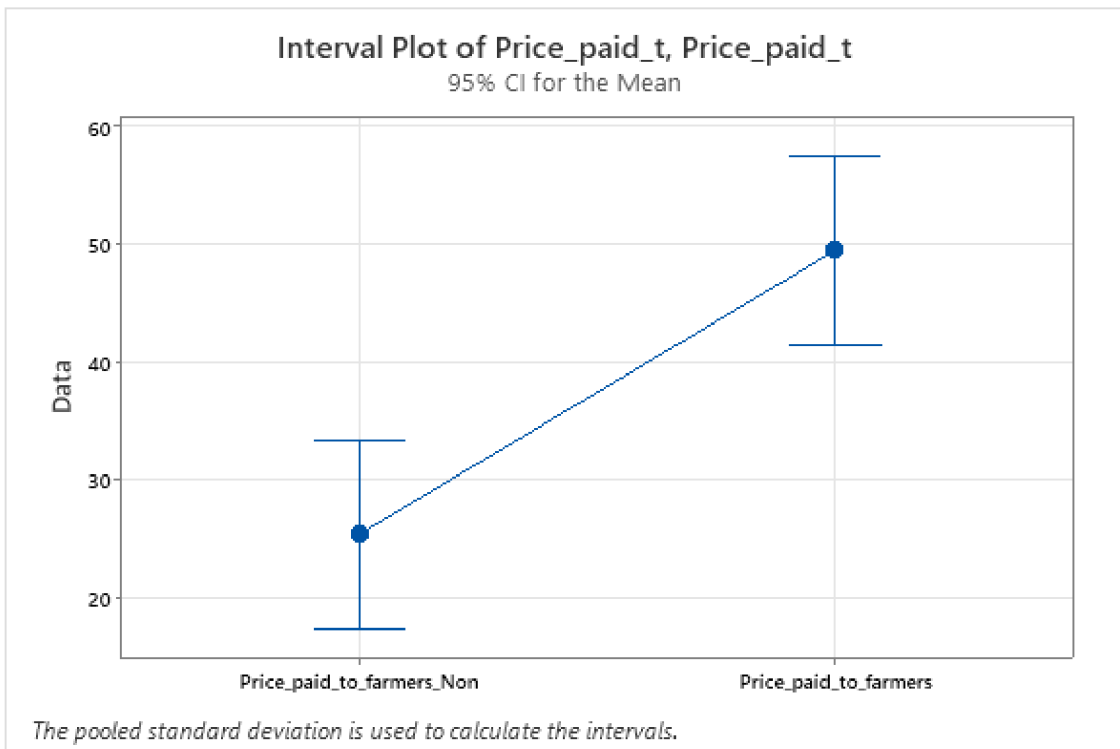
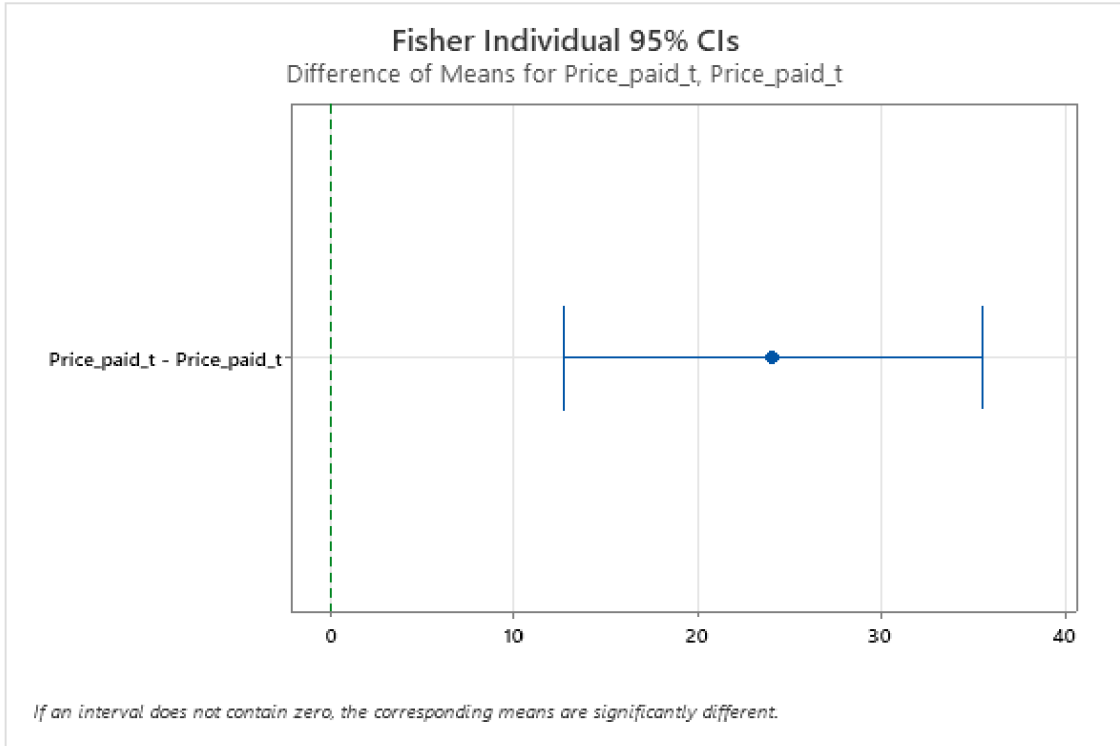
Factor	N	Mean	StDev	95% CI
Price_paid_to_farmers_Non	20	25.37	14.34	(17.33, 33.41)
Price_paid_to_farmers	20	49.42	20.61	(41.39, 57.46)

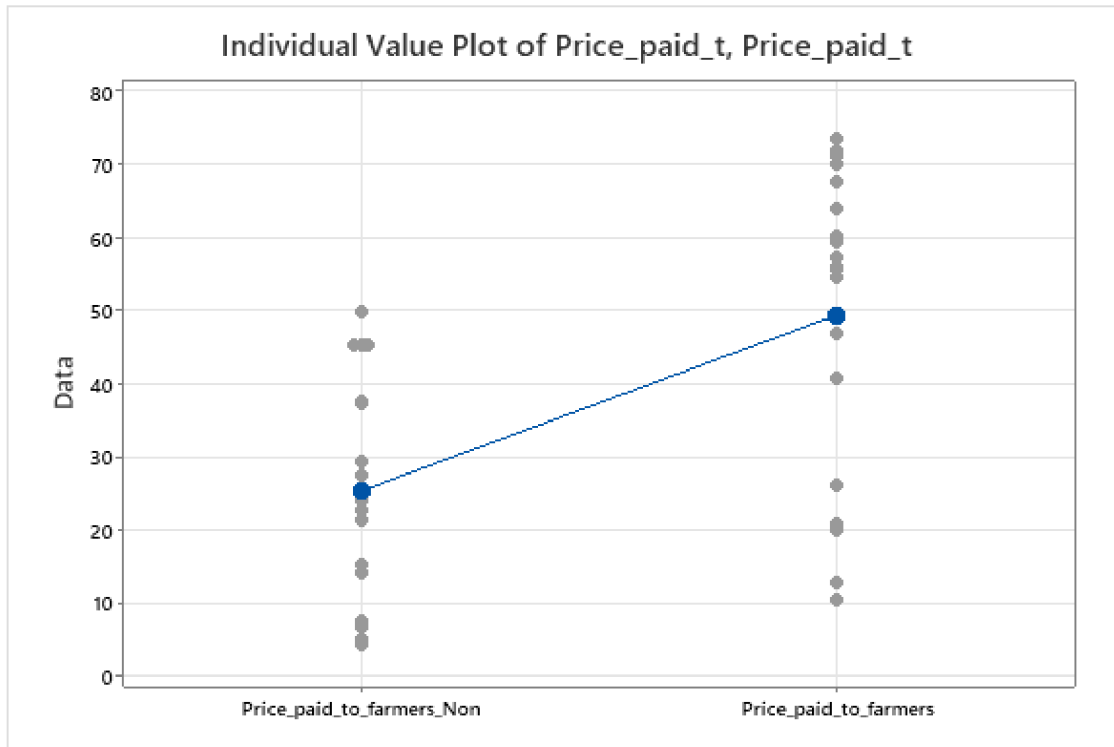
Pooled StDev = 17.7545

Grouping Information Using the Fisher LSD Method and 95% Confidence

Factor	N	Mean	Grouping
Price_paid_to_farmers	20	49.42	A
Price_paid_to_farmers_Non	20	25.37	B

Means that do not share a letter are significantly different.





Method

Null hypothesis All means are equal
 Alternative hypothesis Not all means are equal
 Significance level $\alpha = 0.05$

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	2	Income_Non, Income

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	1	1.28966E+11	1.28966E+11	29.31	0.000
Error	38	1.67206E+11	4400170573		
Total	39	2.96172E+11			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
66333.8	43.54%	42.06%	37.45%

Means

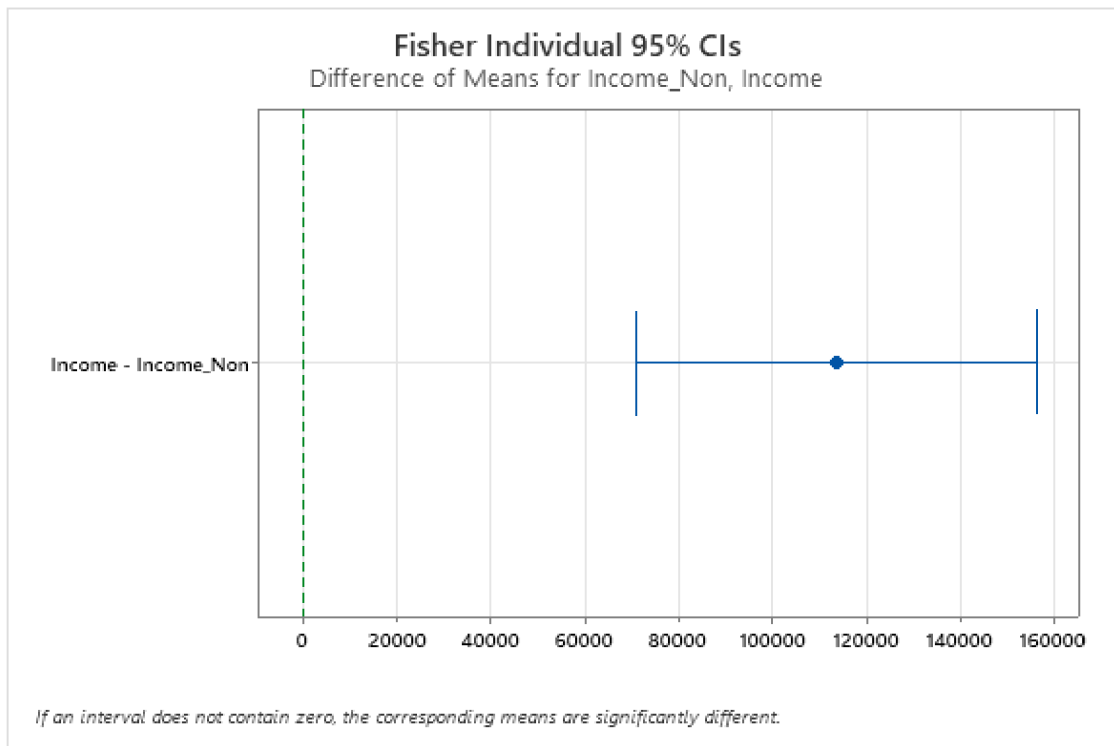
Factor	N	Mean	StDev	95% CI
Income_Non	20	49552	39922	(19525, 79580)
Income	20	163115	84892	(133088, 193143)

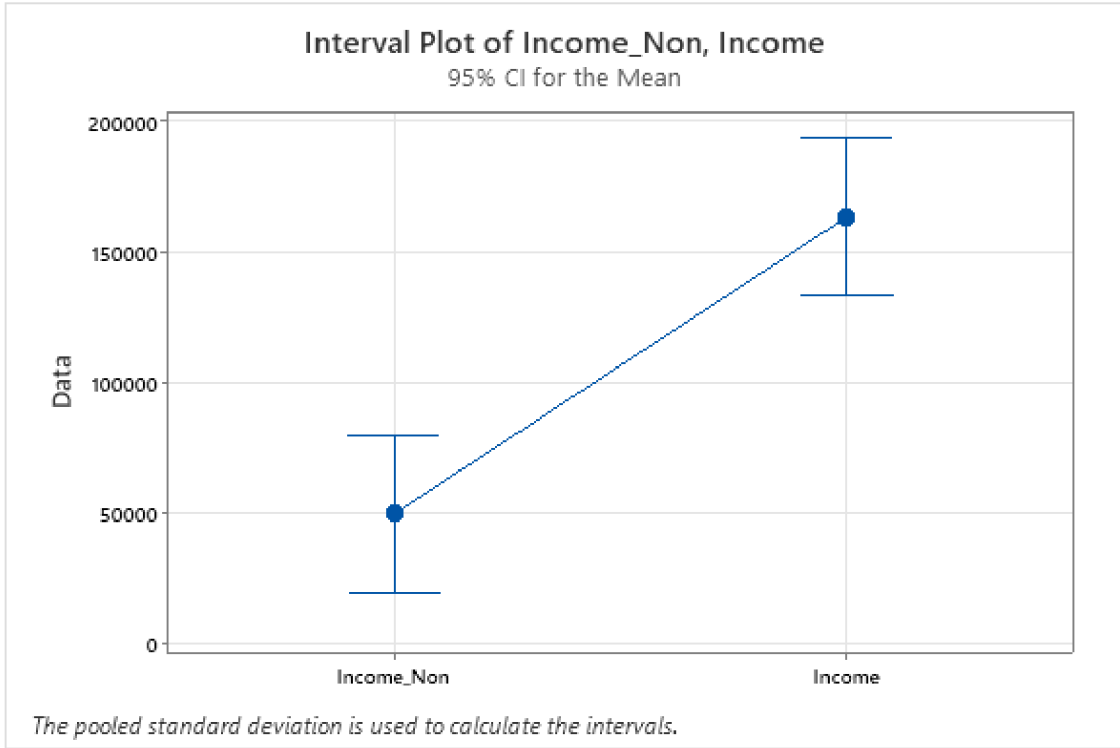
Pooled StDev = 66333.8

Grouping Information Using the Fisher LSD Method and 95% Confidence

Factor	N	Mean	Grouping
Income	20	163115	A
Income_Non	20	49552	B

Means that do not share a letter are significantly different.





Regression Equation

Exports = 2557
+ 12.91 Price_paid_to_farmers

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	2557	406	6.30	0.000	
Price_paid_to_farmers	12.91	7.61	1.70	0.107	1.00

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
683.519	13.80%	9.01%	0.00%

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	1	1345995	1345995	2.88	0.107
Price_paid_to_farmers	1	1345995	1345995	2.88	0.107
Error	18	8409564	467198		
Total	19	9755559			

Fits and Diagnostics for Unusual Observations

Obs	Exports	Fit	Resid	Std Resid
18	4774	3383	1391	2.12 R

R Large residual

Regression Equation

Total_Production = 2594
+ 18.88 Price_paid_to_farmers

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	2594	465	5.58	0.000	
Price_paid_to_farmers	18.88	8.71	2.17	0.044	1.00

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
782.586	20.70%	16.29%	7.87%

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	1	2877502	2877502	4.70	0.044
Price_paid_to_farmers	1	2877502	2877502	4.70	0.044

Error	18	11023947	612441
Total	19	13901449	

Fits and Diagnostics for Unusual Observations

<u>Obs</u>	<u>Total_Production</u>	<u>Fit</u>	<u>Resid</u>	<u>Std Resid</u>	
20	5509	3625	1884	2.47	R

R Large residual