

Regression- All Variables

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgTemp, BeefConsumption_US, Sorghum, Beef_Production_BillionPounds, Precipitation, Barley, Maize, SoyaBeans ^b		Enter

a. Dependent Variable:

Beef_Value_SlaughterMarket

b. All requested variables entered.

Correlations

		Beef_Value_SlaughterMarket	BeefConsumption_US	Beef_Production_BillionPounds	Barley	Maize	Sorghum	SoyaBeans	Precipitation	AvgTemp
Pearson Correlation	Beef_Value_SlaughterMarket	1.000	-.637	-.235	.492	.536	.323	.686	.291	.299
	BeefConsumption_US	-.637	1.000	.567	-.451	-.165	-.018	-.185	-.170	.002
	Beef_Production_BillionPounds	-.235	.567	1.000	-.182	-.092	-.191	-.011	-.204	-.006
	Barley	.492	-.451	-.182	1.000	.646	.589	.673	.582	-.017
	Maize	.536	-.165	-.092	.646	1.000	.816	.874	.642	.089
	Sorghum	.323	-.018	-.191	.589	.816	1.000	.735	.625	.066
	SoyaBeans	.686	-.185	-.011	.673	.874	.735	1.000	.458	.351
	Precipitation	.291	-.170	-.204	.582	.642	.625	.458	1.000	-.255
	AvgTemp	.299	.002	-.006	-.017	.089	.066	.351	-.255	1.000
Sig. (1-tailed)	Beef_Value_SlaughterMarket		.001	.159	.014	.007	.083	<.001	.106	.100
	BeefConsumption_US	.001		.005	.023	.243	.470	.218	.237	.496
	Beef_Production_BillionPounds	.159	.005		.221	.349	.210	.482	.194	.491
	Barley	.014	.023	.221		.001	.003	.001	.004	.471
	Maize	.007	.243	.349	.001		.000	.000	.001	.354
	Sorghum	.083	.470	.210	.003	.000		.000	.002	.391
	SoyaBeans	.000	.218	.482	.001	.000	.000		.021	.065
	Precipitation	.106	.237	.194	.004	.001	.002	.021		.139
	AvgTemp	.100	.496	.491	.471	.354	.391	.065	.139	
N	Beef_Value_SlaughterMarket	20	20	20	20	20	20	20	20	20
	BeefConsumption_US	20	20	20	20	20	20	20	20	20
	Beef_Production_BillionPounds	20	20	20	20	20	20	20	20	20
	Barley	20	20	20	20	20	20	20	20	20
	Maize	20	20	20	20	20	20	20	20	20
	Sorghum	20	20	20	20	20	20	20	20	20
	SoyaBeans	20	20	20	20	20	20	20	20	20
	Precipitation	20	20	20	20	20	20	20	20	20
	AvgTemp	20	20	20	20	20	20	20	20	20

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	.902 ^a	.814	.679	6.94834	.814	6.015	8	11	.004

a. Predictors: (Constant), AvgTemp, BeefConsumption_US, Sorghum, Beef_Production_BillionPounds, Precipitation, Barley, Maize, SoyaBeans

b. Dependent Variable: Beef_Value_SlaughterMarket

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2323.224	8	290.403	6.015	.004 ^b
	Residual	531.074	11	48.279		
	Total	2854.298	19			

a. Dependent Variable: Beef_Value_SlaughterMarket

b. Predictors: (Constant), AvgTemp, BeefConsumption_US, Sorghum, Beef_Production_BillionPounds, Precipitation, Barley, Maize, SoyaBeans

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Tolerance	VIF
1	(Constant)	161.967	151.754		1.067	.309	-172.042	495.975		
	BeefConsumption_US	-7.256	2.304	-.656	-3.149	.009	-12.328	-2.184	.389	2.568
	Beef_Production_BillionPounds	.812	2.124	.072	.382	.710	-3.863	5.486	.481	2.080
	Barley	-.001	.001	-.342	-1.484	.166	-.003	.001	.319	3.139
	Maize	.000	.000	-.225	-.615	.551	-.001	.001	.126	7.933
	Sorghum	.000	.001	-.138	-.505	.624	-.002	.001	.227	4.407
	SoyaBeans	.004	.001	1.018	2.652	.023	.001	.007	.115	8.709
	Precipitation	1.007	1.287	.160	.783	.450	-1.826	3.840	.407	2.457
	AvgTemp	.101	2.388	.007	.042	.967	-5.154	5.356	.546	1.833

a. Dependent Variable: Beef_Value_SlaughterMarket