

Number of Observations Read	720
Number of Observations Used	710

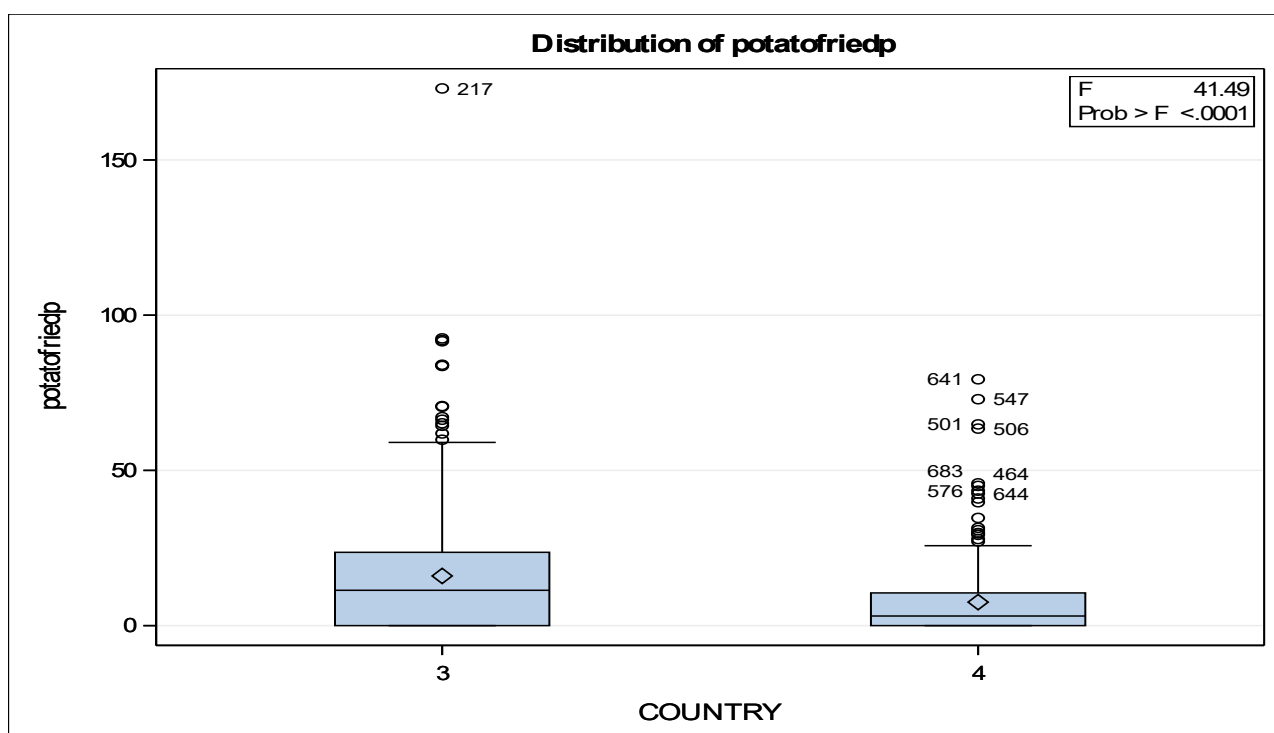
There are 10 missing data points in our data.

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	11827.5093	11827.5093	41.49	<.0001
Error	708	201850.4722	285.0995		
Corrected Total	709	213677.9815			

R-Square	Coeff Var	Root MSE	potatofriedp Mean
0.055352	131.5334	16.88489	12.83696

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COUNTRY	1	11827.50928	11827.50928	41.49	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
COUNTRY	1	11827.50928	11827.50928	41.49	<.0001



Levene's Test for Homogeneity of potatofriedp Variance ANOVA of Squared Deviations from Group Means					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
COUNTRY	1	7972024	7972024	6.38	0.0117
Error	708	8.8406E8	1248675		

The table above shows that the Lenven's test for homogeneity of potatofriedp's $F(1,708) = 6.38$, $p = 0.012$ which is less than 0.05 it means we can reject the null hypothesis that population variance are equal. It means the population data is hetroscedastic.

Welch's ANOVA for potatofriedp			
Source	DF	F Value	Pr > F
COUNTRY	1.0000	51.41	<.0001
Error	705.7		

Level of COUNTRY	N	potatofriedp	
		Mean	Std Dev
3	444	15.9960826	19.1609093
4	266	7.5638317	12.1635484

COUNTRY	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
3		444	15.9961	19.1609	0.9093	0	173.0
4		266	7.5638	12.1635	0.7458	0	79.3528
Diff (1-2)	Pooled		8.4323	16.8849	1.3092		
Diff (1-2)	Satterthwaite		8.4323		1.1761		

COUNTRY	Method	Mean	95% CL Mean		Std Dev	95% CL Std Dev	
3		15.9961	14.2089	17.7832	19.1609	17.9781	20.5116
4		7.5638	6.0954	9.0323	12.1635	11.2103	13.2954
Diff (1-2)	Pooled	8.4323	5.8619	11.0026	16.8849	16.0494	17.8128
Diff (1-2)	Satterthwaite	8.4323	6.1233	10.7412			

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	708	6.44	<.0001
Satterthwaite	Unequal	705.66	7.17	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	443	265	2.48	<.0001

Data in table above suggest heterogeneity of variance, $F(443,265) = 2.48$, $p < 0.0001$, in addition with unequal sample sizes ($n_1 = 444$, $n_2 = 266$), the result from the test of means using Satterthwaite's approximate t-test may be the most appropriate.

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	11830	5914.93223	20.72	<.0001
Error	707	201848	285.49946		
Corrected Total	709	213678			

Root MSE	16.89673
Dependent Mean	12.83696
R-Square	0.0554
Adj R-Sq	0.0527
AIC	4729.50414
AICC	4729.56088
SBC	4031.19993

Parameter Estimates									
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Heteroscedasticity Consistent		
							Standard Error	t Value	Pr > t
Intercept	Intercept	B	8.02642	5.19739	1.54	0.1230	5.05661	1.59	0.1129
SYS1TO8	SYS1TO8	1	-0.00406	0.04469	-0.09	0.9277	0.04495	-0.09	0.9281
COUNTRY_3	COUNTRY 3	B	8.45926	1.34341	6.30	<.0001	1.29056	6.55	<.0001
COUNTRY_4	COUNTRY 4	0	0

The table above shows that the potato intake is not significantly related with SYS1TO8.

