```
GET DATA /TYPE=XLSX
  /FILE='C:\Users\mario\Documents\DocsMario\A01-Cons\MWC\Cons2016\GilmaraPand
olfo\Contagem eNOS HCPA-2016-09-26.xlsx'
  /SHEET=name 'Plan2'
  /CELLRANGE=range 'A1:M23'
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.
```

Dataset Name

Warnings

The active dataset will replace the existing dataset named DataSet1.

```
DATASET ACTIVATE DataSet1.
EXAMINE VARIABLES=enos BY grupo
  /PLOT=BOXPLOT
  /STATISTICS=NONE
  /NOTOTAL.
```

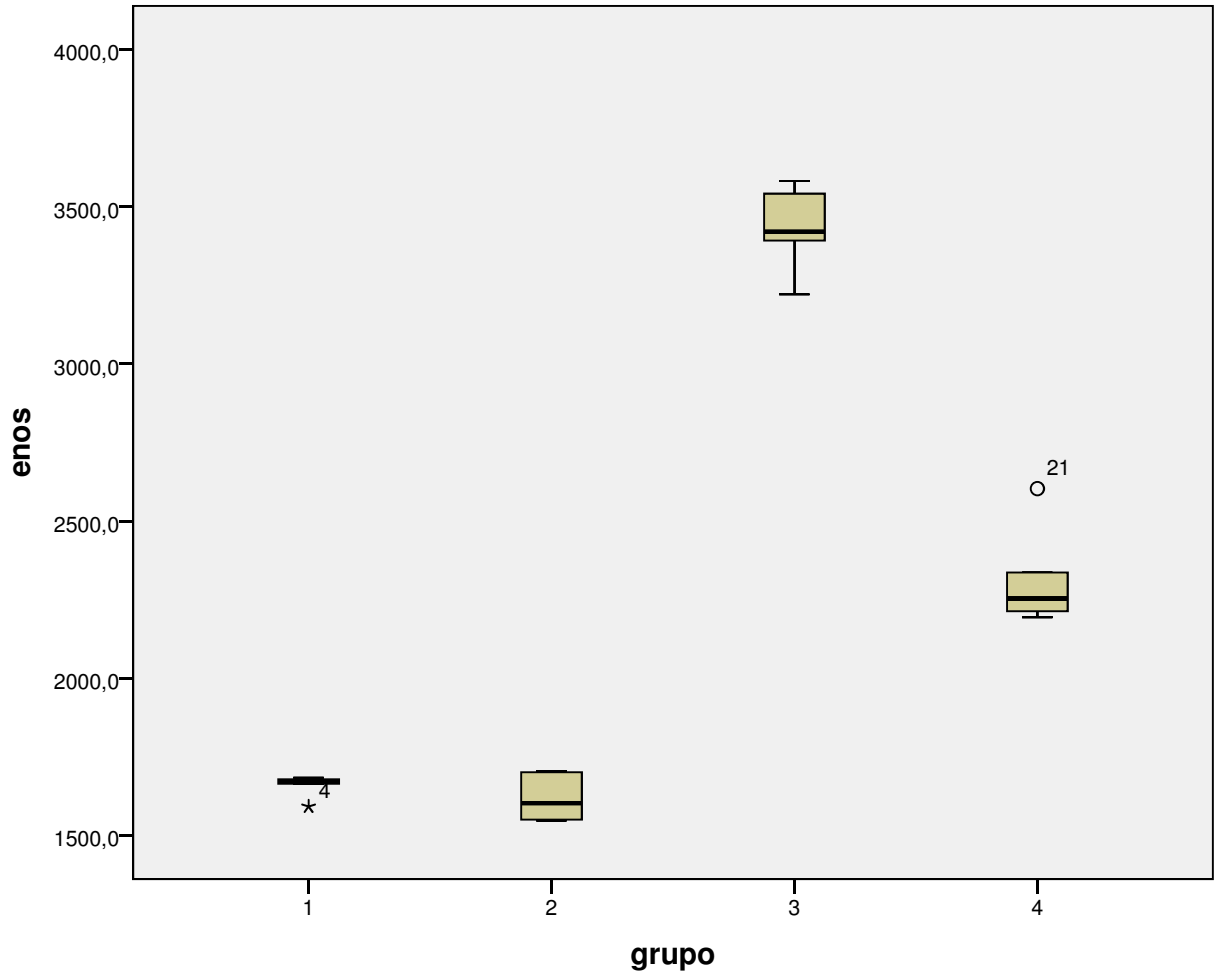
Explore

grupo

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	grupo	N	Percent	N	Percent	N	Percent
enos	1	6	100,0%	0	0,0%	6	100,0%
	2	5	100,0%	0	0,0%	5	100,0%
	3	5	100,0%	0	0,0%	5	100,0%
	4	6	100,0%	0	0,0%	6	100,0%

enos




```
ONEWAY enos BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=snk ALPHA(0.01).
```

Oneway

Descriptives

enos

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum
					Lower Bound	Upper Bound	
1	6	1660,383	34,1095	13,9252	1624,587	1696,179	1592,0
2	5	1621,556	77,7724	34,7809	1524,989	1718,123	1547,5
3	5	3431,910	141,9594	63,4862	3255,644	3608,176	3221,4
4	6	2309,302	153,7258	62,7583	2147,976	2470,627	2194,6
Total	22	2231,156	733,1349	156,3049	1906,102	2556,210	1547,5

Descriptives

enos

	Maximum
1	1683,6
2	1705,2
3	3582,1
4	2603,5
Total	3582,1

Test of Homogeneity of Variances

enos

Levene Statistic	df1	df2	Sig.
2,018	3	18	,147

ANOVA

enos

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	11058443,27	3	3686147,758	290,020	,000
Within Groups	228779,508	18	12709,973		
Total	11287222,78	21			

Robust Tests of Equality of Means

enos

	Statistic[a]	df1	df2	Sig.
Welch	239,518	3	8,135	,000

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

enos

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.01		
		1	2	3
2	5	1621,556		
1	6	1660,383		
4	6		2309,302	
3	5			3431,910
Sig.		,577	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,455.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
GET DATA
  /TYPE=XLS
  /FILE='C:\Users\mario\Documents\DocsMario\A01-Cons\MWC\Cons2016\GilmaraPand
olfo\TBARS e GPx doutorado-v02.xls'
  /SHEET=name 'Plan1'
  /CELLRANGE=range 'A1:c24'
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.
```

Dataset Name

Warnings

The active dataset will replace the existing dataset named DataSet1.

```
compute medida = gpx*-1.


ONEWAY medida BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=SNK ALPHA(0.05).
```

Oneway

Descriptives

medida

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum
					Lower Bound	Upper Bound	
1	6	,4183	,04246	,01733	,3737	,4628	,36
2	6	,4683	,13087	,05343	,3310	,6056	,34
3	5	,2222	,05179	,02316	,1579	,2865	,17
4	6	,3526	,08976	,03665	,2584	,4468	,21
Total	23	,3716	,12221	,02548	,3187	,4244	,17

Descriptives

medida

	Maximum
1	,49
2	,66
3	,28
4	,47
Total	,66

Test of Homogeneity of Variances

medida

Levene Statistic	df1	df2	Sig.
3,133	3	19	,050

ANOVA

medida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,183	3	,061	7,952	,001
Within Groups	,146	19	,008		
Total	,329	22			

Robust Tests of Equality of Means

medida

	Statistic[a]	df1	df2	Sig.
Welch	14,900	3	9,964	,001

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

medida

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.05	
		1	2
3	5	,2222	
4	6		,3526
1	6		,4183
2	6		,4683
Sig.		1,000	,091

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,714.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
ONEWAY medida BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=SNK ALPHA(0.01).
```

Oneway

Descriptives

medida

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum
					Lower Bound	Upper Bound	
1	6	,4183	,04246	,01733	,3737	,4628	,36
2	6	,4683	,13087	,05343	,3310	,6056	,34
3	5	,2222	,05179	,02316	,1579	,2865	,17
4	6	,3526	,08976	,03665	,2584	,4468	,21
Total	23	,3716	,12221	,02548	,3187	,4244	,17

Descriptives

medida

	Maximum
1	,49
2	,66
3	,28
4	,47
Total	,66

Test of Homogeneity of Variances

medida

Levene Statistic	df1	df2	Sig.
3,133	3	19	,050

ANOVA

medida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,183	3	,061	7,952	,001
Within Groups	,146	19	,008		
Total	,329	22			

Robust Tests of Equality of Means

medida

	Statistic[a]	df1	df2	Sig.
Welch	14,900	3	9,964	,001

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

medida

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.01	
		1	2
3	5	,2222	
4	6	,3526	,3526
1	6		,4183
2	6		,4683
Sig.		,021	,091

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,714.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
ONEWAY tbars BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=SNK ALPHA(0.05).
```

Oneway

Descriptives

tbars

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	5	,1755797647	,0292805893	,0130946776	,1392231111	,2119364183
2	5	,2028047041	,0697519396	,0311940157	,1161962319	,2894131763
3	5	,2911487629	,0245874379	,0109958365	,2606194265	,3216780993
4	6	,1868955401	,0149067802	,0060856675	,1712518338	,2025392465
Total	21	,2128114000	,0585513104	,0127769434	,1861591630	,2394636369

Descriptives

tbars

	Minimum	Maximum
1	,1286404273	,2036867320
2	,1499304823	,2792455234
3	,2695131057	,3320321952
4	,1588395054	,2018642338
Total	,1286404273	,3320321952

Test of Homogeneity of Variances

tbars

Levene Statistic	df1	df2	Sig.
13,196	3	17	,000

ANOVA

tbars

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,042	3	,014	9,039	,001
Within Groups	,026	17	,002		
Total	,069	20			

Robust Tests of Equality of Means

tbars

	Statistic[a]	df1	df2	Sig.
Welch	21,563	3	8,186	,000

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

tbars

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.05	
		1	2
1	5	,1755797647	
4	6	,1868955401	
2	5	,2028047041	
3	5		,2911487629
Sig.		,518	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,217.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
ONEWAY tbars BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=SNK ALPHA(0.01).
```

Oneway

Descriptives

tbars

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	5	,1755797647	,0292805893	,0130946776	,1392231111	,2119364183
2	5	,2028047041	,0697519396	,0311940157	,1161962319	,2894131763
3	5	,2911487629	,0245874379	,0109958365	,2606194265	,3216780993
4	6	,1868955401	,0149067802	,0060856675	,1712518338	,2025392465
Total	21	,2128114000	,0585513104	,0127769434	,1861591630	,2394636369

Descriptives

tbars

	Minimum	Maximum
1	,1286404273	,2036867320
2	,1499304823	,2792455234
3	,2695131057	,3320321952
4	,1588395054	,2018642338
Total	,1286404273	,3320321952

Test of Homogeneity of Variances

tbars

Levene Statistic	df1	df2	Sig.
13,196	3	17	,000

ANOVA

tbars

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,042	3	,014	9,039	,001
Within Groups	,026	17	,002		
Total	,069	20			

Robust Tests of Equality of Means

tbars

	Statistic[a]	df1	df2	Sig.
Welch	21,563	3	8,186	,000

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

tbars

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.01	
		1	2
1	5	,1755797647	
4	6	,1868955401	
2	5	,2028047041	
3	5		,2911487629
Sig.		,518	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,217.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
GET DATA /TYPE=XLSX
  /FILE='C:\Users\mario\Documents\DocsMario\A01-Cons\MWC\Cons2016\GilmaraPand
olfo\Contagem iNOS HCPA-v02.xlsx'
  /SHEET=name 'Plan2'
  /CELLRANGE=range 'A1:M23'
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.
DATASET NAME DataSet1 WINDOW=FRONT.
```

Dataset Name

Warnings

The active dataset will replace the existing dataset named DataSet1.

```
EXECUTE.

DATASET ACTIVATE DataSet1.
EXAMINE VARIABLES=inos BY grupo
  /PLOT=BOXPLOT
  /STATISTICS=NONE
  /NOTOTAL.
```

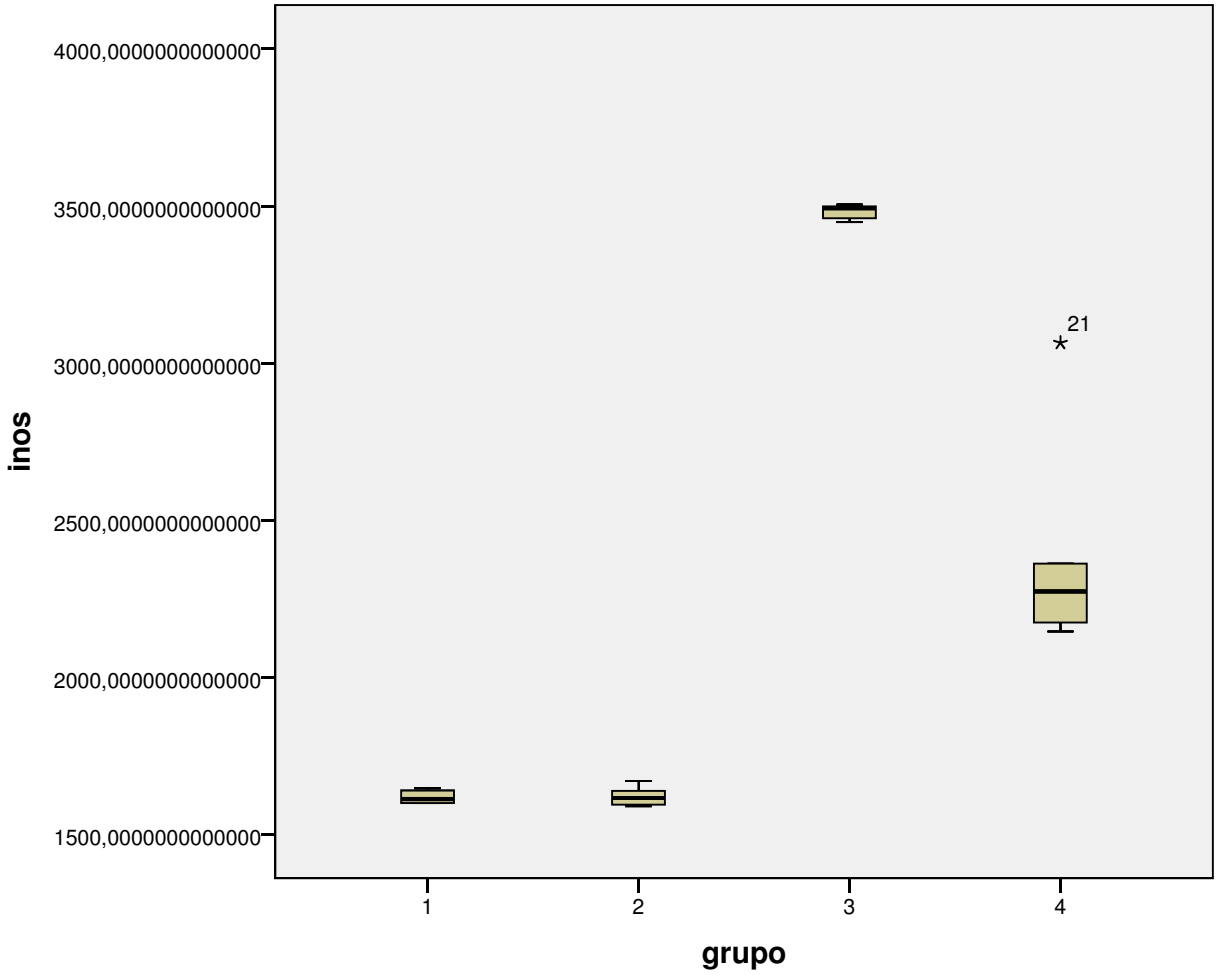
Explore

grupo

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	grupo	N	Percent	N	Percent	N	Percent
inos	1	6	100,0%	0	0,0%	6	100,0%
	2	5	100,0%	0	0,0%	5	100,0%
	3	5	100,0%	0	0,0%	5	100,0%
	4	6	100,0%	0	0,0%	6	100,0%

inos




```
ONEWAY inos BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=snk ALPHA(0.05).
```

Oneway

Descriptives

inos

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	6	1619,330000	20,99140777	8,569706335	1597,300869	1641,359131
2	5	1622,280000	33,03891645	14,77545262	1581,256767	1663,303233
3	5	3481,030000	24,65241469	11,02489501	3450,419984	3511,640016
4	6	2382,403333	343,0199575	140,0373112	2022,425965	2742,380702
Total	22	2251,225000	775,7107012	165,3820772	1907,294143	2595,155857

Descriptives

inos

	Minimum	Maximum
1	1600,560000	1647,700000
2	1590,340000	1670,420000
3	3448,580000	3504,270000
4	2146,140000	3064,530000
Total	1590,340000	3504,270000

Test of Homogeneity of Variances

inos

Levene Statistic	df1	df2	Sig.
3,982	3	18	,024

ANOVA

inos

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12038955,03	3	4012985,011	120,931	,000
Within Groups	597313,898	18	33184,105		
Total	12636268,93	21			

Robust Tests of Equality of Means

inos

	Statistic[a]	df1	df2	Sig.
Welch	5722,740	3	9,326	,000

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

inos

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.05		
		1	2	3
1	6	1619,330000		
2	5	1622,280000		
4	6		2382,403333	
3	5			3481,030000
Sig.		,979	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,455.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

```
ONEWAY inos BY grupo
  /STATISTICS DESCRIPTIVES HOMOGENEITY WELCH
  /MISSING ANALYSIS
  /POSTHOC=snk ALPHA(0.01).
```

Oneway

Descriptives

inos

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	6	1619,330000	20,99140777	8,569706335	1597,300869	1641,359131
2	5	1622,280000	33,03891645	14,77545262	1581,256767	1663,303233
3	5	3481,030000	24,65241469	11,02489501	3450,419984	3511,640016
4	6	2382,403333	343,0199575	140,0373112	2022,425965	2742,380702
Total	22	2251,225000	775,7107012	165,3820772	1907,294143	2595,155857

Descriptives

inos

	Minimum	Maximum
1	1600,560000	1647,700000
2	1590,340000	1670,420000
3	3448,580000	3504,270000
4	2146,140000	3064,530000
Total	1590,340000	3504,270000

Test of Homogeneity of Variances

inos

Levene Statistic	df1	df2	Sig.
3,982	3	18	,024

ANOVA

inos

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12038955,03	3	4012985,011	120,931	,000
Within Groups	597313,898	18	33184,105		
Total	12636268,93	21			

Robust Tests of Equality of Means

inos

	Statistic[a]	df1	df2	Sig.
Welch	5722,740	3	9,326	,000

a. Asymptotically F distributed.

Post Hoc Tests

Homogeneous Subsets

inos

Student-Newman-Keuls[a,b]

grupo	N	Subset for alpha = 0.01		
		1	2	3
1	6	1619,330000		
2	5	1622,280000		
4	6		2382,403333	
3	5			3481,030000
Sig.		,979	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,455.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.