

```

NEW FILE.
DATASET NAME DataSet1 WINDOW=FRONT.

SAVE OUTFILE='C:\Users\bcumbie\Desktop\MBA_IMPOSTERISM.sav'
/COMPRESSED.
T-TEST GROUPS=CLASS(1 3)
/MISSING=ANALYSIS
/VARIABLES=IP_SCORE
/ES DISPLAY(TRUE)
/CRITERIA=CI(.95).

```

## T-Test

### Notes

Output Created		23-NOV-2021 10:18:12
Comments		
Input	Data	C:\Users\bcumbie\Desktop\MBA_IMPOSTERISM.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	464
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=CLASS(1 3) /MISSING=ANALYSIS  /VARIABLES=IP_SCORE /ES DISPLAY(TRUE)...
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.01

[DataSet1] C:\Users\bcumbie\Desktop\MBA\_IMPOSTERISM.sav

### Group Statistics

	CLASS	N	Mean	Std. Deviation	Std. Error Mean
IP_SCORE	1	337	61.3739	14.87036	.81004
	3	127	58.8504	14.54281	1.29047

### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
IP_SCORE	Equal variances assumed	.078	.780	1.640	462
	Equal variances not assumed			1.656	231.384

### Independent Samples Test

		t-test for Equality of Means		
		Sig. (2-tailed)	Mean Difference	Std. Error Difference
IP_SCORE	Equal variances assumed	.102	2.52349	1.53910
	Equal variances not assumed	.099	2.52349	1.52364

### Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
IP_SCORE	Equal variances assumed	-.50102	5.54801
	Equal variances not assumed	-.47848	5.52547

## Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer <sup>a</sup>			Point Estimate	Lower	Upper
IP_SCORE	Cohen's d	14.78175	.171	-.034	.375
	Hedges' correction	14.80580	.170	-.034	.374
	Glass's delta	14.54281	.174	-.032	.378

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

```

SORT CASES BY IP_CATEGORY (A).
DATASET ACTIVATE DataSet1.

```

```

SAVE OUTFILE='C:\Users\bcumbie\Desktop\MBA_IMPOSTERISM.sav'
/COMPRESSED.
DATASET ACTIVATE DataSet1.

```

```

SAVE OUTFILE='C:\Users\bcumbie\Desktop\MBA_IMPOSTERISM.sav'
/COMPRESSED.
T-TEST GROUPS=CLASS(1 3)
/MISSING=ANALYSIS
/VARIABLES=IP_CATEGORY
/ES DISPLAY(TRUE)
/CRITERIA=CI(.95).

```

## T-Test

### Notes

Output Created		23-NOV-2021 10:21:15
Comments		
Input	Data	C: \Users\bcumbie\Desktop\ MBA_IMPOSTERISM.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	464
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=CLASS(1 3) /MISSING=ANALYSIS  /VARIABLES=IP_CATEGORY /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.03

### Group Statistics

	CLASS	N	Mean	Std. Deviation	Std. Error Mean
IP_CATEGORY	1	337	2.55	.804	.044
	3	127	2.47	.765	.068

### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
IP_CATEGORY	Equal variances assumed	.617	.433	.926	462
	Equal variances not assumed			.947	237.562

### Independent Samples Test

		t-test for Equality of Means		
		Sig. (2-tailed)	Mean Difference	Std. Error Difference
IP_CATEGORY	Equal variances assumed	.355	.077	.083
	Equal variances not assumed	.344	.077	.081

### Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
IP_CATEGORY	Equal variances assumed	-.086	.239
	Equal variances not assumed	-.083	.236

## Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer <sup>a</sup>			Point Estimate	Lower	Upper
IP_CATEGORY	Cohen's d	.794	.096	-.108	.301
	Hedges' correction	.795	.096	-.108	.300
	Glass's delta	.765	.100	-.105	.304

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

\*Nonparametric Tests: Independent Samples.

NPTESTS

```
/INDEPENDENT TEST (IP_SCORE) GROUP (CLASS)
/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
/CRITERIA ALPHA=0.05 CILEVEL=95.
```

T-TEST GROUPS=CLASS(1 3)

```
/MISSING=ANALYSIS
/VARIABLES=IP_CATEGORY
/ES DISPLAY(TRUE)
/CRITERIA=CI(.95).
```

\*Nonparametric Tests: Independent Samples.

NPTESTS

```
/INDEPENDENT TEST (IP_SCORE) GROUP (CLASS)
/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
/CRITERIA ALPHA=0.05 CILEVEL=95.
```

## Nonparametric Tests

## Notes

Output Created		23-NOV-2021 10:24:28
Comments		
Input	Data	C:\Users\bcumbie\Desktop\MBA_IMPOSTERISM.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	464
Syntax		NPTESTS /INDEPENDENT TEST (IP_SCORE) GROUP (CLASS) /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE /CRITERIA ALPHA=0.05 CILEVEL=95.
Resources	Processor Time	00:00:00.70
	Elapsed Time	00:00:00.70

## Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of IP_SCORE is the same across categories of CLASS.	Independent-Samples Mann-Whitney U Test	.129

## Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

a. The significance level is .050.

b. Asymptotic significance is displayed.

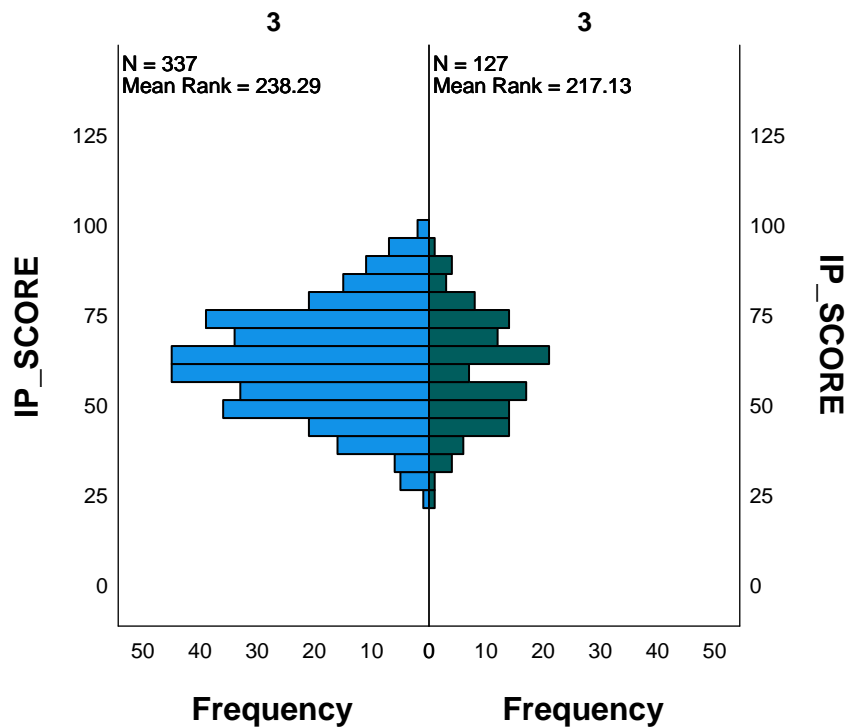
## Independent-Samples Mann-Whitney U Test

### IP\_SCORE across CLASS

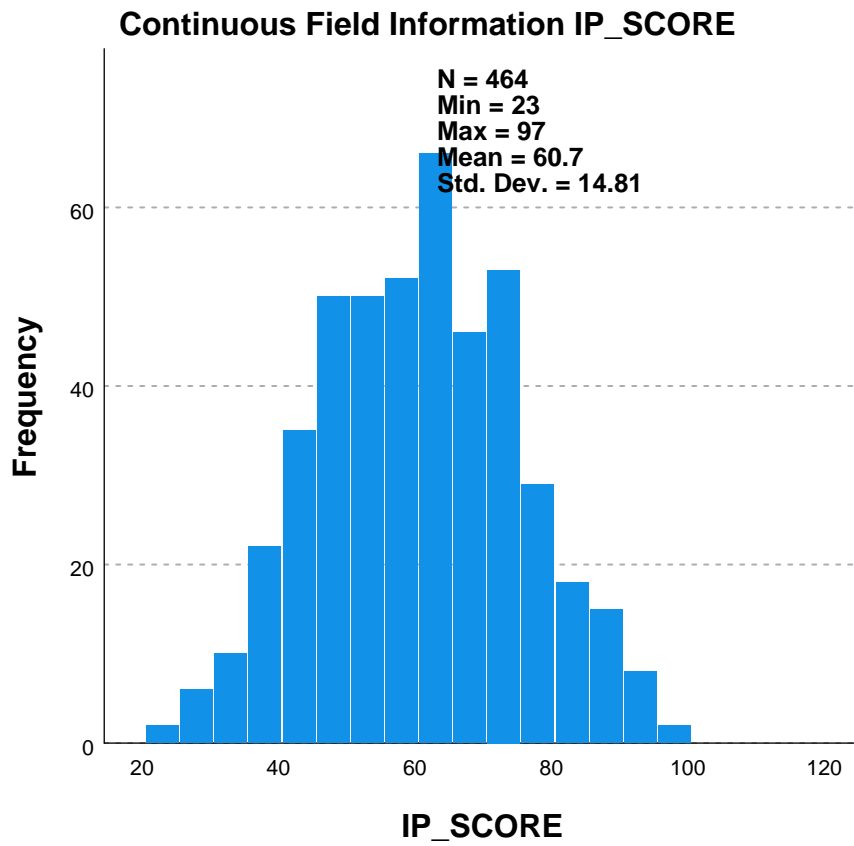
### Independent-Samples Mann-Whitney U Test Summary

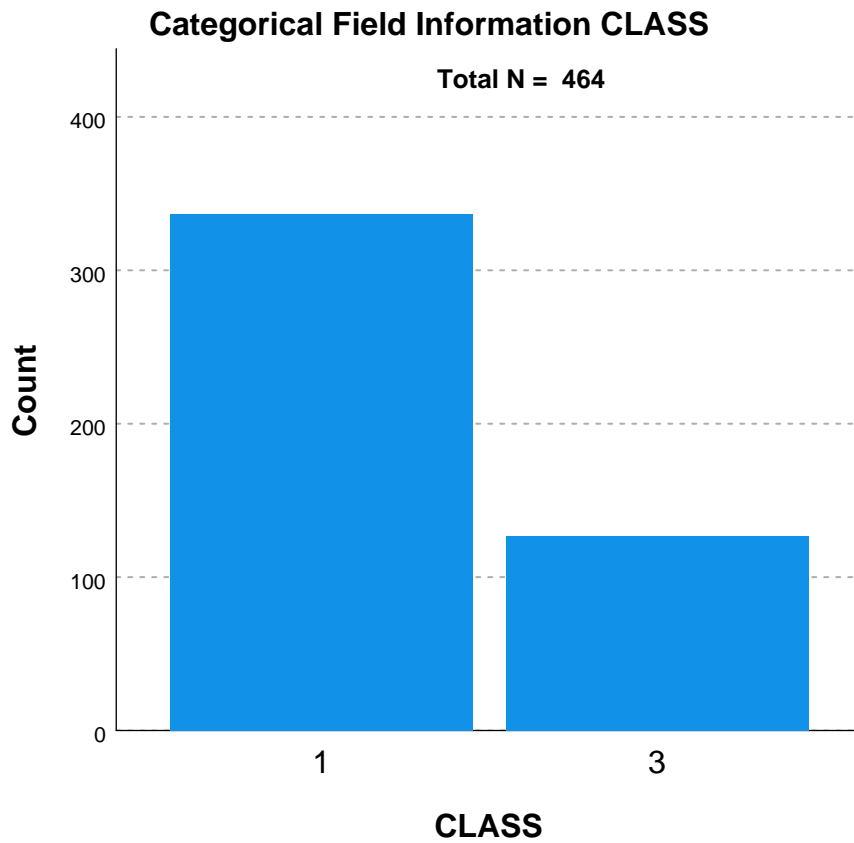
Total N	464
Mann-Whitney U	19447.000
Wilcoxon W	27575.000
Test Statistic	19447.000
Standard Error	1287.515
Standardized Test Statistic	-1.516
Asymptotic Sig.(2-sided test)	.129

### Independent-Samples Mann-Whitney U Test CLASS









\*Nonparametric Tests: Independent Samples.

NPTESTS

/INDEPENDENT TEST (IP\_CATEGORY) GROUP (CLASS)

/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE

/CRITERIA ALPHA=0.05 CILEVEL=95.

### Nonparametric Tests

## Notes

Output Created		23-NOV-2021 10:24:57
Comments		
Input	Data	C: \Users\bcumbie\Desktop\ MBA_IMPOSTERISM.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	464
Syntax		NPTESTS /INDEPENDENT TEST (IP_CATEGORY) GROUP (CLASS) /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE E /CRITERIA ALPHA=0.05 CILEVEL=95.
Resources	Processor Time	00:00:00.11
	Elapsed Time	00:00:00.16

## Hypothesis Test Summary

	Null Hypothesis	Test	Sig.
1	The distribution of IP_CATEGORY is the same across categories of CLASS.	Independent-Samples Mann-Whitney U Test	. <sup>a</sup>

## Hypothesis Test Summary

	Decision
1	Unable to compute.

a. The test field is not continuous.

```
DESCRIPTIVES VARIABLES=CLASS IP_CATEGORY IP_SCORE
  /STATISTICS=MEAN STDDEV MIN MAX KURTOSIS SKEWNESS.
```

## Descriptives

### Notes

Output Created		23-NOV-2021 10:25:21
Comments		
Input	Data	C: \Users\bcumbie\Desktop\ MBA_IMPOSTERISM.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	464
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=CLASS IP_CATEGORY IP_SCORE /STATISTICS=MEAN STDDEV MIN MAX KURTOSIS SKEWNESS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

### Descriptive Statistics

	N Statistic	Minimum Statistic	Maximum Statistic	Mean Statistic	Std. Deviation Statistic	Skewness Statistic	Std. Error
CLASS	464	1	3	1.55	.893	1.018	.113
IP_CATEGORY	464	1	4	2.53	.794	.012	.113
IP_SCORE	464	23	97	60.68	14.809	.027	.113
Valid N (listwise)	464						

## Descriptive Statistics

	Kurtosis	
	Statistic	Std. Error
CLASS	-.967	.226
IP_CATEGORY	-.442	.226
IP_SCORE	-.438	.226
Valid N (listwise)		

DATASET ACTIVATE DataSet1.

SAVE OUTFILE='C:\Users\bcumbie\Desktop\MBA\_IMPOSTERISM.sav'  
/COMPRESSED.