```
EXAMINE VARIABLES=lHabenula rHabenula BY DX
 /PLOT BOXPLOT STEMLEAF NPPLOT
 /COMPARE GROUPS
 /STATISTICS DESCRIPTIVES
 /CINTERVAL 95
 /MISSING LISTWISE
 /NOTOTAL.
```

Explore

DX

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	DX	N	Percent	N	Percent	N	Percent
lHabenula	CN	100	100.0%	0	0.0%	100	100.0%
	PD	100	100.0%	0	0.0%	100	100.0%
rHabenula	CN	100	100.0%	0	0.0%	100	100.0%
	PD	100	100.0%	0	0.0%	100	100.0%

Descriptives

	DX			Statistic	Std. Error
lHabenula	CN	Mean		.083197	.0014281
		95% Confidence Interval for Mean	Lower Bound	.080363	
			Upper Bound	.086031	
		5% Trimmed Mean		.082683	
		Median		.082100	
		Variance		.000	
		Std. Deviation		.0142808	
		Minimum		.0568	
		Maximum		.1375	
		Range		.0807	
		Interquartile Range		.0189	
		Skewness		.607	.241
		Kurtosis		1.227	.478
	PD	Mean		.108141	.0015481
		95% Confidence Interval for Mean	Lower Bound	.105069	
			Upper Bound	.111213	
		5% Trimmed Mean		.108597	
		Median		.107600	
		Variance		.000	
		Std. Deviation		.0154814	
		Minimum		.0596	
		Maximum		.1487	
		Range		.0891	
		Interquartile Range		.0192	
		Skewness		-.395	.241
		Kurtosis		.914	.478
rHabenula	CN	Mean		.089870	.0015935
		95% Confidence Interval for Mean	Lower Bound	.086708	
			Upper Bound	.093032	
		5% Trimmed Mean		.088966	
		Median		.087250	
		Variance		.000	
		Std. Deviation		.0159347	
		Minimum		.0623	
		Maximum		.1659	

Descriptives

DX			Statistic	Std. Error
	Range		.1036	
	Interquartile Range		.0187	
	Skewness		1.421	.241
	Kurtosis		4.416	.478
PD	Mean		.107232	.0017457
	95% Confidence Interval for Mean	Lower Bound	.103768	
		Upper Bound	.110696	
	5% Trimmed Mean		.107023	
	Median		.106750	
	Variance		.000	
	Std. Deviation		.0174567	
	Minimum		.0652	
	Maximum		.1491	
	Range		.0839	
	Interquartile Range		.0209	
	Skewness		.085	.241
	Kurtosis		-.113	.478

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	DX	Statistic	df	Sig.	Statistic	df	Sig.
lHabenula	CN	.063	100	.200*	.972	100	.029
	PD	.073	100	.200*	.983	100	.218
rHabenula	CN	.117	100	.002	.917	100	.000
	PD	.042	100	.200*	.992	100	.790

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

```
 *Nonparametric Tests: Independent Samples.
NPTESTS
  /INDEPENDENT TEST (lHabenula rHabenula) GROUP (DX)
  /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
  /CRITERIA ALPHA=0.05  CILEVEL=95.
```

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.[a,b]
1	The distribution of lHabenula is the same across categories of DX.	Independent-Samples Mann-Whitney U Test	.000
2	The distribution of rHabenula is the same across categories of DX.	Independent-Samples Mann-Whitney U Test	.000

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.
2	Reject the null hypothesis.

a. The significance level is .050.

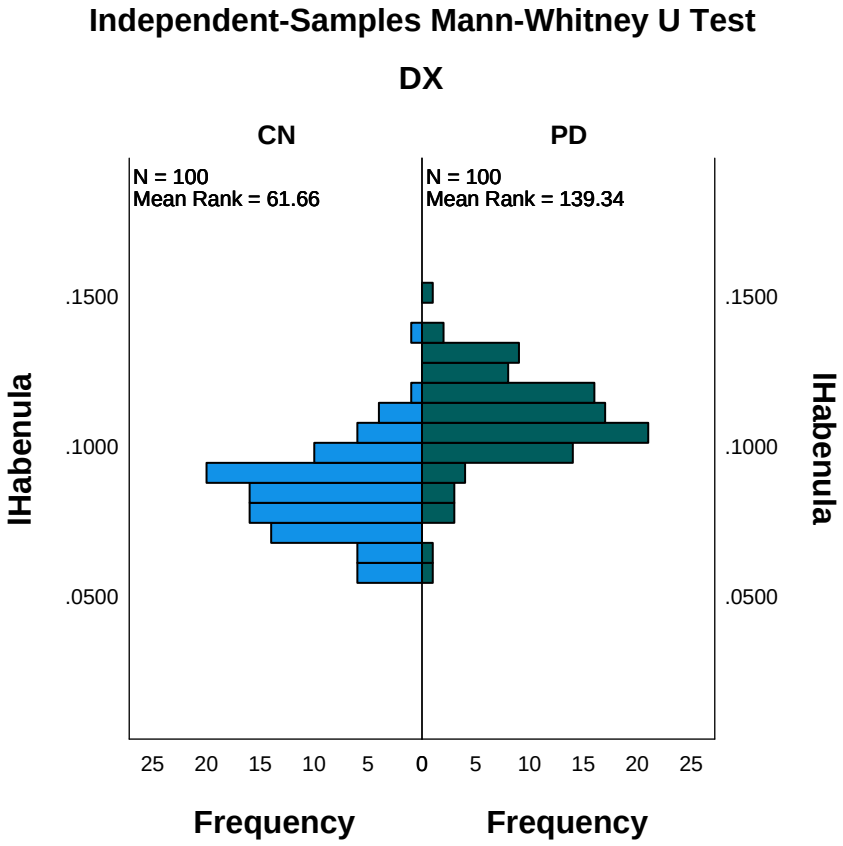
b. Asymptotic significance is displayed.

Independent-Samples Mann-Whitney U Test

lHabenula across DX

Independent-Samples Mann-Whitney U Test Summary

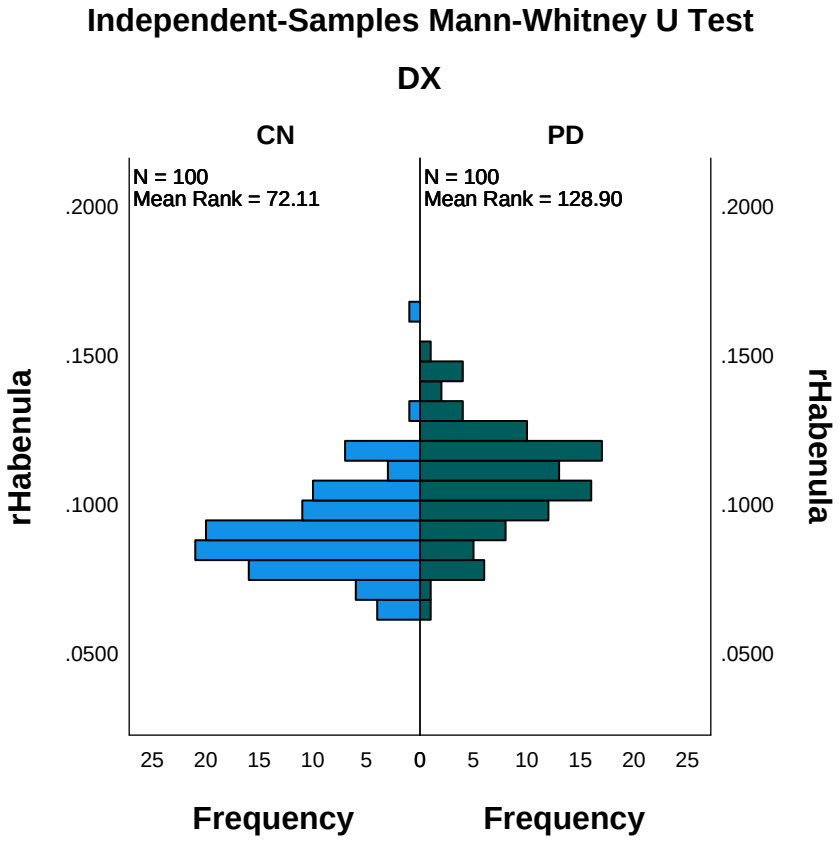
Total N	200
Mann-Whitney U	8884.000
Wilcoxon W	13934.000
Test Statistic	8884.000
Standard Error	409.262
Standardized Test Statistic	9.490
Asymptotic Sig.(2-sided test)	.000

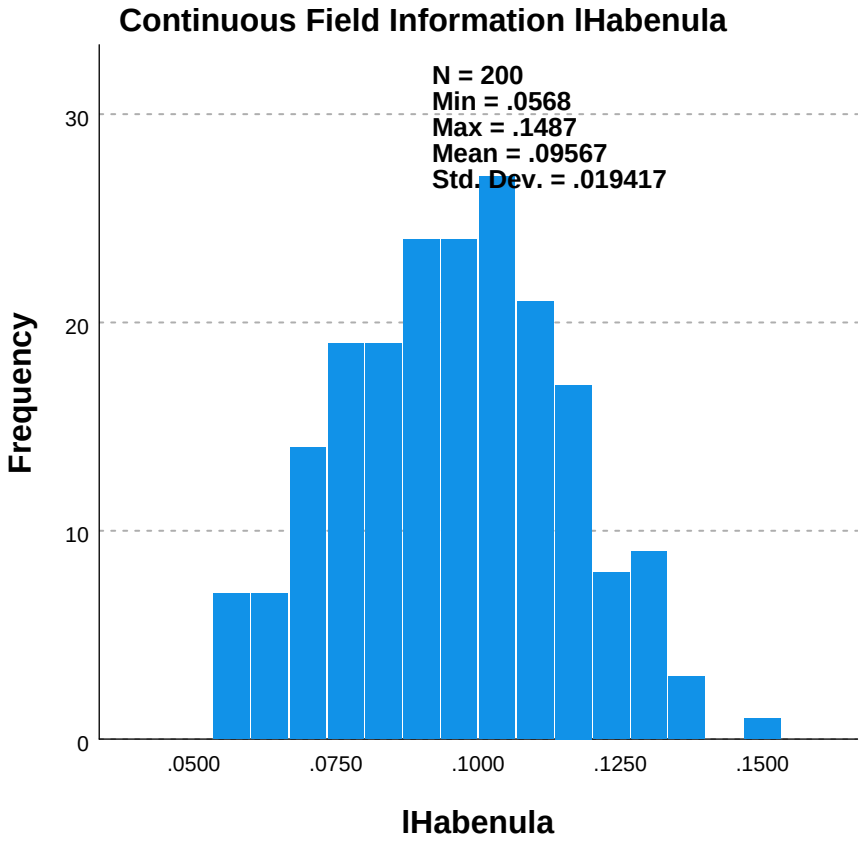


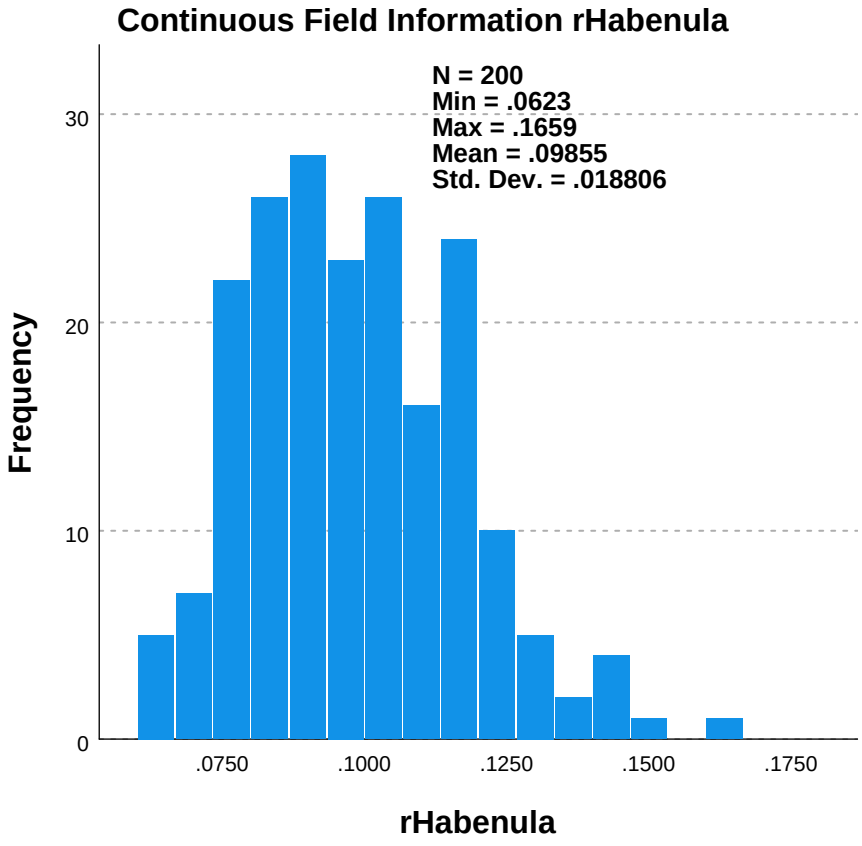
rHabenula across DX

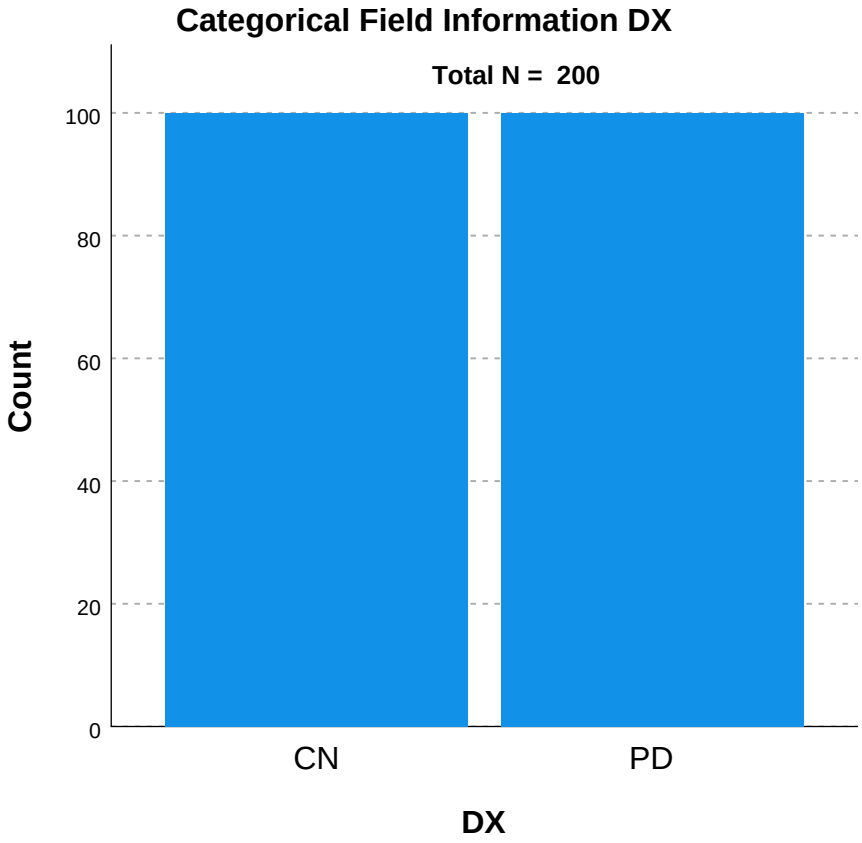
Independent-Samples Mann-Whitney U Test Summary

Total N	200
Mann-Whitney U	7839.500
Wilcoxon W	12889.500
Test Statistic	7839.500
Standard Error	409.261
Standardized Test Statistic	6.938
Asymptotic Sig.(2-sided test)	.000


Independent-Samples Mann-Whitney U Test
DX
CN
PD
N = 100
Mean Rank = 72.11
N = 100
Mean Rank = 128.90
rHabenula
rHabenula
.2000
.1500
.1000
.0500
25
20
15
10
5
0
5
10
15
20
25
Frequency
Frequency


Continuous Field Information lHabenula
N = 200
Min = .0568
Max = .1487
Mean = .09567
Std. Dev. = .019417
Frequency
30
20
10
0
.0500
.0750
.1000
.1250
.1500
lHabenula


Continuous Field Information rHabenula
N = 200
Min = .0623
Max = .1659
Mean = .09855
Std. Dev. = .018806
Frequency
30
20
10
0
.0750
.1000
.1250
.1500
.1750
rHabenula


Categorical Field Information DX
Total N = 200
Count
100
80
60
40
20
0
CN
PD
DX