

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Mean_Ax	.186	4500	.000	.890	4500	.000
Std_Ax	.303	4500	.000	.550	4500	.000
Var_Ax	.390	4500	.000	.349	4500	.000
Range_Ax	.295	4500	.000	.549	4500	.000
Mean_Ay	.221	4500	.000	.836	4500	.000
Std_Ay	.312	4500	.000	.518	4500	.000
Var_Ay	.410	4500	.000	.226	4500	.000
Range_Ay	.310	4500	.000	.512	4500	.000
Mean_Az	.054	4500	.000	.975	4500	.000
Std_Az	.265	4500	.000	.713	4500	.000
Var_Az	.344	4500	.000	.432	4500	.000
Range_Az	.274	4500	.000	.585	4500	.000
Mean_SVM	.150	4500	.000	.794	4500	.000
Std_SVM	.338	4500	.000	.438	4500	.000
Var_SVM	.419	4500	.000	.204	4500	.000
Range_SVM	.315	4500	.000	.499	4500	.000
Mean_SVM_Horizontal	.174	4500	.000	.876	4500	.000
Std_SVM_Horizontal	.261	4500	.000	.699	4500	.000
Var_SVM_Horizontal	.349	4500	.000	.423	4500	.000
Range_SVM_Horizontal	.259	4500	.000	.630	4500	.000
Mean_Angle_z_xy	.088	4500	.000	.966	4500	.000
Std_Angle_z_xy	.265	4500	.000	.722	4500	.000
Var_Angle_z_xy	.325	4500	.000	.520	4500	.000
Range_Angle_z_xy	.241	4500	.000	.717	4500	.000

a. Lilliefors Significance Correction

*Nonparametric Tests: Independent Samples.

NPTESTS

/INDEPENDENT TEST (Mean_Ax Std_Ax Var_Ax Range_Ax Mean_Ay Std_Ay Var_Ay Range_Ay Mean_Az Std_Az Var_Az Range_Az Mean_SVM Std_SVM Var_SVM Range_SVM Mean_SVM_Horizontal Std_SVM_Horizontal Var_SVM_Horizontal Range_SVM_Horizontal Mean_Angle_z_xy Std_Angle_z_xy Var_Angle_z_xy Range_Angle_z_xy GROUP (label) KRUSKAL_WALLIS (COMPARE=PAIRWISE)

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Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Mean_Ax is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
2	The distribution of Std_Ax is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
3	The distribution of Var_Ax is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
4	The distribution of Range_Ax is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
5	The distribution of Mean_Ay is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
6	The distribution of Std_Ay is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
7	The distribution of Var_Ay is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
8	The distribution of Range_Ay is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
9	The distribution of Mean_Az is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
10	The distribution of Std_Az is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
11	The distribution of Var_Az is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
12	The distribution of Range_Az is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
13	The distribution of Mean_SVM is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
14	The distribution of Std_SVM is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
15	The distribution of Var_SVM is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
16	The distribution of Range_SVM is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
17	The distribution of Mean_SVM_Horizontal is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
18	The distribution of Std_SVM_Horizontal is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
19	The distribution of Var_SVM_Horizontal is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

(continued)

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
20	The distribution of Range_SVM_Horizontal is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
21	The distribution of Mean_Angle_z_xy is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
22	The distribution of Std_Angle_z_xy is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
23	The distribution of Var_Angle_z_xy is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
24	The distribution of Range_Angle_z_xy is the same across categories of label.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

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