**OPenStack**

Ros default

Mann-Whitney U-Test:

U Statistic: 0.0

P-Value: 1.5313577763511972e-06

There is a statistically significant difference between the groups.

Levene's Test Statistic: 0.6986721532410531

p-value: 0.40983850687526746

There is no statistically significant difference between the groups.

Randomundersampler, default

Mann-Whitney U-Test:

U Statistic: 256.0

P-Value: 1.5381214888384542e-06

There is a statistically significant difference between the groups.

Levene's Test Statistic: 0.002829185119238809

p-value: 0.9579330785495944

There is no statistically significant difference between the groups.

Smote default

Mann-Whitney U-Test:

U Statistic: 256.0

P-Value: 1.5381214888384542e-06

There is a statistically significant difference between the groups.

Levene's Test Statistic: 7.124522847451755

p-value: 0.012151272408781034

There is a statistically significant difference between the groups.

**QT**

ROS default

Mann-Whitney U-Test:

U Statistic: 15.0

P-Value: 2.2158859659458328e-05

There is a statistically significant difference between the groups.

Levene's Test Statistic: 0.8153301515348675

p-value: 0.3737424904160561

There is no statistically significant difference between the groups.

RUS default

Mann-Whitney U-Test:

U Statistic: 256.0

P-Value: 1.5246189640100485e-06

There is a statistically significant difference between the groups.

Levene's Test Statistic: 0.8257480151585775

p-value: 0.273742445660561

There is no statistically significant difference between the groups.

Smote default

Mann-Whitney U-Test:

U Statistic: 256.0

P-Value: 1.5313577763511972e-06

There is a statistically significant difference between the groups.

Levene's Test Statistic: 7.30982862173334

p-value: 0.01118519260839216

There is a statistically significant difference between the groups.

Die Ergebnisse zeigen, dass es statistisch signifikante Unterschiede zwischen den untersuchten Gruppen gibt. Beim Mann-Whitney U-Test geht es um Unterschiede in der zentralen Tendenz (Mittelwert), und der Levene's Test deutet auf Unterschiede in der Varianz hin. Dies bedeutet, dass die Gruppen in Bezug auf die gemessenen Merkmale nicht gleich sind.