Hypothesis testing for outliers

R procedure : Grubbs' test.

Three variations

1) MAX (or min) is a suspected outlier

2) Lowest two (or highest two) are both suspected outliers

3) MAX and MIN are suspected outliers

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* In each case, the null hypothesis is that there are no outliers present.

* We base our decision by inspecting the P-value in the code.

* This test is based on the Assumption that the sample is drawn from a normally distributed population. It is completely invalid otherwise.