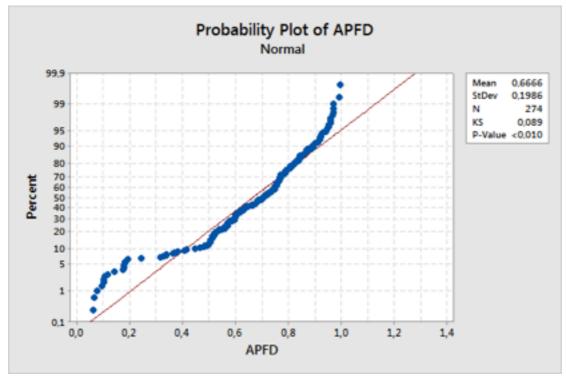
Analysis 1 – Fault type impact on APFD. 1 factor (fault type) and 2 treatments (seeded or real)

- H0 The means of TCP techniques execution results obtained using seeded and real faults are equal.
- H1 The means of TCP techniques execution results obtained using seeded and real faults are significantly different.

Data is displayed into <u>factor analysis data/fault type.pdf.</u>

Normality test for APFD variable: As the sample has 274 values, Kolmogorov-Smirnov test is used.



Given that the p-value is < 0.010, which is less than the established level of significance 0.05, the sample has a non normal distribution.

As the distribution is not normal, a non-parametric hypothesis test is used. In this case, we use Kruskal-Wallis test.

Kruskal-Wallis Test: APFD versus FAULT TYPE

A p-value of 0,00, which is less than the established significance level of 0.05, indicates that the null hypothesis can be rejected, thus, accepting the alternative hypothesis that fault type has a significant effect on APFD results.