



**SUMMARY**

**BASIC STATISTICS**

Number of samples: 63 Mean: 15.657 Variance: 0.896  
Skew: 0.179 test statistics z-score: 0.633 p-value: 0.527  
H0 (skew from a normal distrib.) cannot be rejected  
The data are moderately skewed !  
Kurtosis 1.165 test: z-score: 0.244 p-value: 0.527  
H0 (normal distrib.) cannot be rejected  
The distribution is too peaked !!!

**NORMALITY TESTS**

Shapiro-Wilk statistics: 0.981 p-value: 0.433 H0 (normal distrib.) cannot be rejected  
Anderson-Darling statistics: 0.486 critical value α: 0.744 H0 (normal distrib.) cannot be rejected  
**Convergence of the tests: Normal distributed population on this basis**

RISK ESTIMATION (Monte-Carlo diagenesis in-silico 280000 iterations), sample count: 63

Mean and Std.Dev. estimated by the bootstrap method  
**There is a 3.738+/-0.048 % risk of normality of δ18O data by chance for a 63 sample count.**

Computed with ApaOxIRA C. Lécuyer & JP. Flandrois 2023