

TABLE 1

New Statistical Features in OriginPro 8**▶ Expanded Parametric Hypothesis Testing Tools**

- One-way repeated measures ANOVA
- Two-way repeated measures ANOVA
- Welch corrected t-test
- One sample chi-square test for variance
- Two sample F test for variance
- Confidence levels for one sample chi-square variance
- Confidence levels for two sample F variance

▶ Expanded Nonparametric Hypothesis Testing Tools

- Wilcoxon sign rank test
- Mann-Whitney test
- Wilcoxon matched pair test
- Kruskal-Wallis ANOVA
- Friedman ANOVA
- Sign test
- Wald-Wolfowitz runs test
- Kolmogorov-Smirnov two-sample test

▶ New Survival Analysis Tools

- Survival function comparison:
 - Log-rank
 - Breslow
 - Tarone Ware
- Life table Weibull fit

▶ Expanded Descriptive Statistics Tools

- Correlation coefficient
- Discrete frequency
- Kolmogorov-Smirnov and Lilliefors normality tests