Subject: hypothesis testing
Posted by sansun on Mon, 30 Nov 2020 09:58:40 GMT
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Is it possible to include other statistical methods to test the hypothesis?
E.g. Anova, Mann Whitney, Kruskal Wallis.
The last one is especially useful when the data is not normally distributed.

It would be nice to be able to select any of these methods to calculate p values during box plots generation.

Thanks
SS

Subject: Re: hypothesis testing
Posted by nbehrnd on Tue, 01 Dec 2020 16:15:08 GMT
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Comment: One may interpret your suggest as a wish to extend the computation of mean and variance (cf. http://www.openmolecules.org/help/jep.html) to offer the user a function ready to to be called by name for descriptive statistics per column (e.g., minimal and maximal value, lower and upper quartile; arithmetical mean, median, variance, skewness, kurtosis); possibly followed by either a Dixon q, or a Grubbs outlier test computed and eventually creating a visual like a q-q plot.

If so, what are other functions and statistical tests you miss in DW, e.g. in comparison with a program like Past4 (https://www.nhm.uio.no/english/research/infrastructure/past/)?

Subject: Re: hypothesis testing
Posted by sansun on Wed, 16 Dec 2020 07:35:54 GMT
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Ideally it would be nice to have ability to compute all column statistics and statistical tests which can be done for e.g using Graphpad prism.

This is my wish list! I don't know how easy/difficult is to do it.