Subject: Re: Calculation of mean/median values in box &whisker plots.
Posted by nbehrnd on Thu, 25 Jul 2019 08:30:43 GMT
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Hello Tim,

lacking a minimal working example I can only guess what you refer too. Recent work of mine with DW however equally considered data with columns lacking some entries, too. The solution working «good enough» for me, aiming for whisker plots and their statistics, however was to start with a table with each cell in the corresponding column already filled with the place holder «N/A»; to be replaced by real data only if these are at hand. (This equally may be entered prior to DW with a conditional formatting in a spred sheet, or as manual edit per cell in DW, too.) Thankfully, this kind of «other entry type» seen in other statistical programs (e.g., R) seems to be recognized by DW, too.

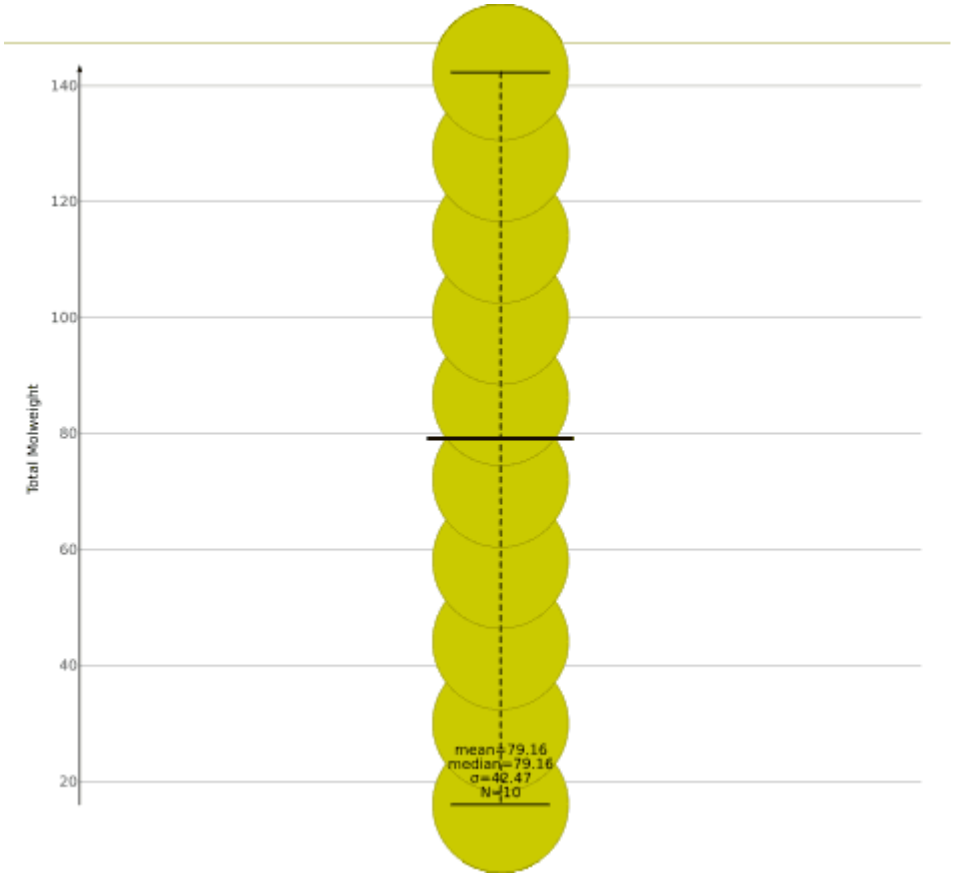
As an example, I populated an array about the first ten alcanes, and let DW determine their molecular weight; eventually displayed as a whisker plot (cf. alkanes_complete.dwar). In a copy of this file (alkanes_except_octaneMW.dwar) the entry about the molecular weight for octane's was substituted by the «N/A» place holder. Now, the dot about the entry missing (or, in parlance of R, about «[data] not available») is set below the others, no longer considered for further statistics -- both on screen, as well as in the plots' statistics.

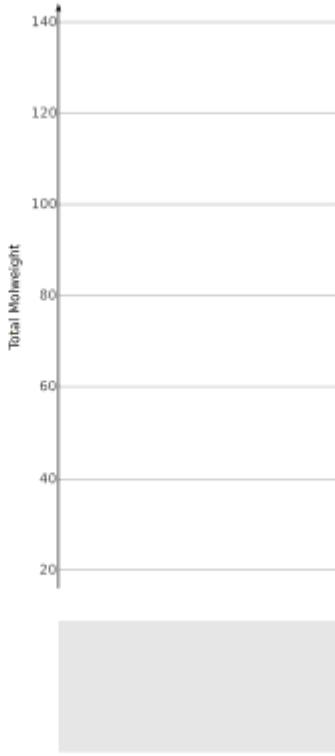
This approach was used with DataWarrior (stable release 5.0.0) running in Linux Xubuntu (18.04.2 LTS, 64 bit).

Norwid

File Attachments

1) alkanes_complete.dwar, downloaded 897 times
2) alkanes_except_octaneMW.dwar, downloaded 889 times
3) whisker_comparison-fs8.png, downloaded 1328 times





4) statistics.txt, downloaded 875 times