

NOTE W: STANDARDIZED RESIDUALS

The actual output table of standardized residuals from linear regression is the residual divided by the unbiased standard deviation of the residuals.

One argument is that since the LMS solution is based on the sum of the residuals being zero, the appropriate divisor of the sum of squares would be N rather than $N-1$. This may be Cryer's complaint.

The mathematics on biased or unbiased estimates is not based on degrees of freedom arguments, but on asymptotic characteristics of the standard deviation value. The residuals computed do not constitute a true "population", since the assumption of a LMS solution is that the data is a sample of a population.

My position is that the calculation is correct as it is in Excel.

