

Article title: Implications of individual QT/RR profiles

Part 1: Inaccuracies and problems of population-specific QT/heart rate corrections

Journal name: Drug Safety

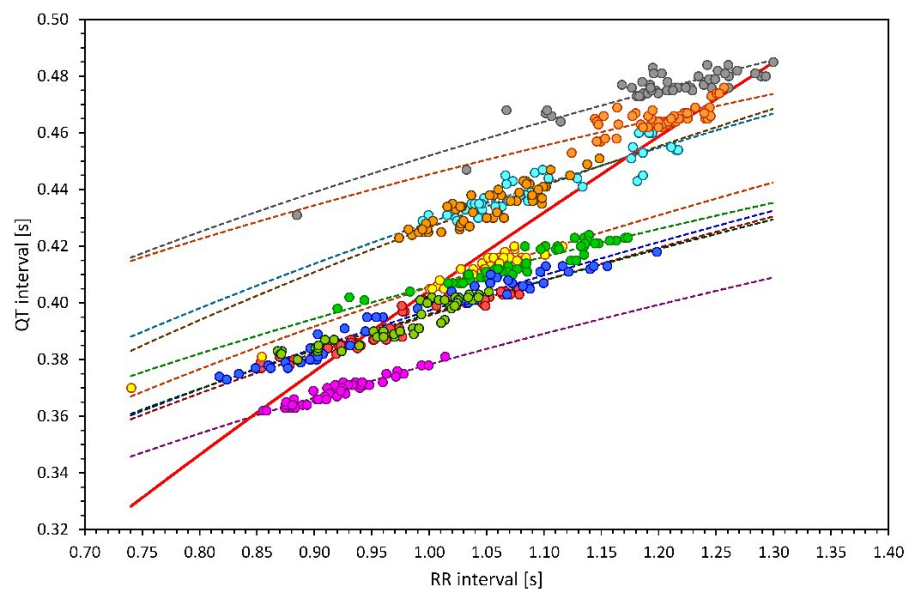
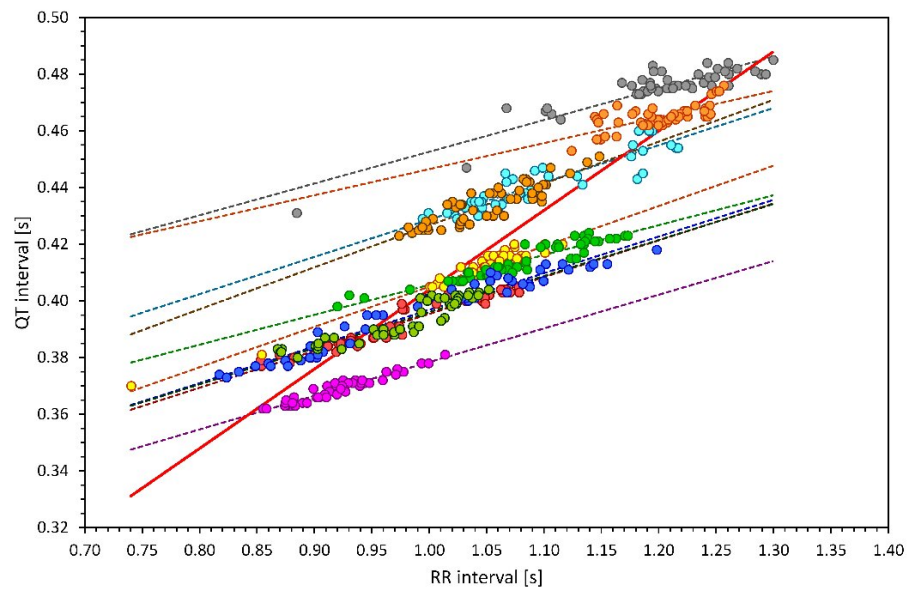
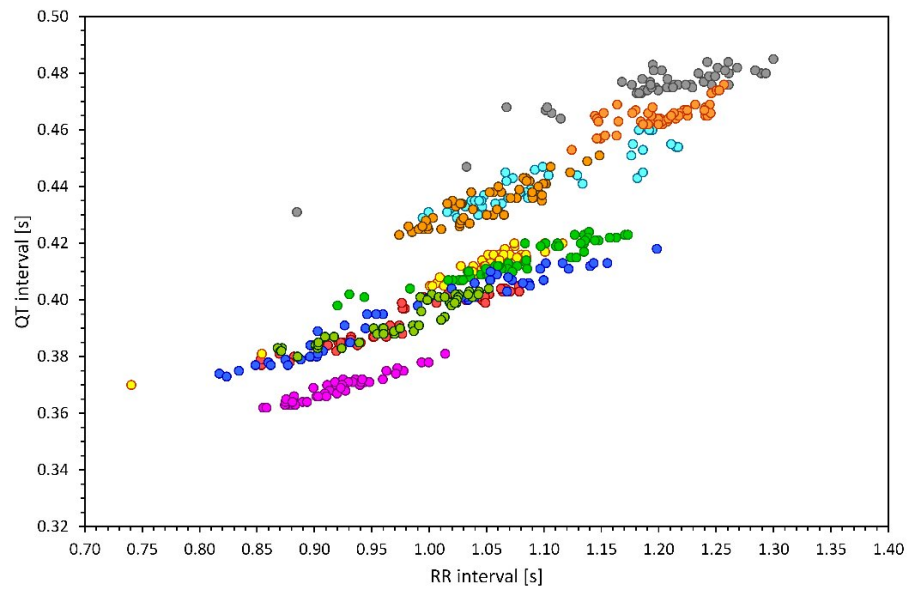
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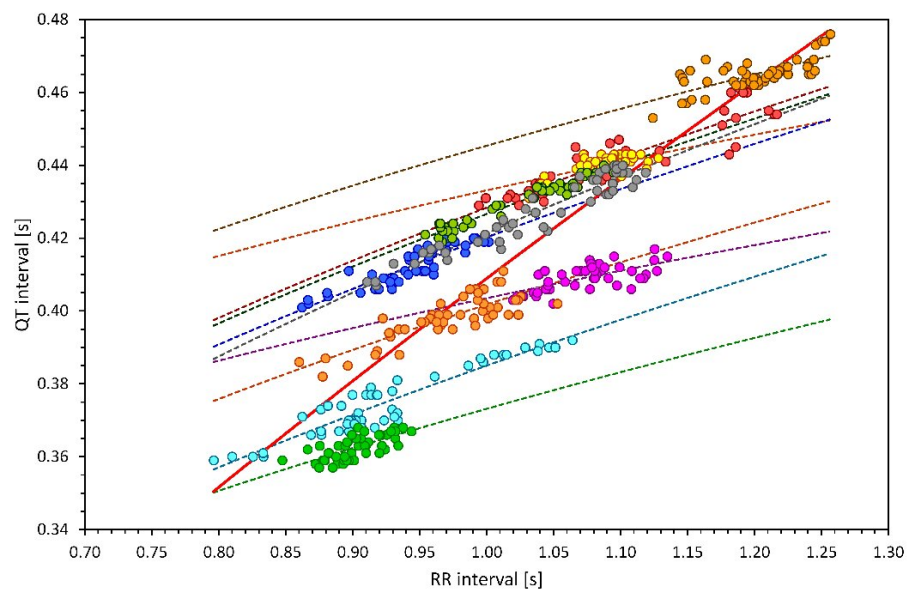
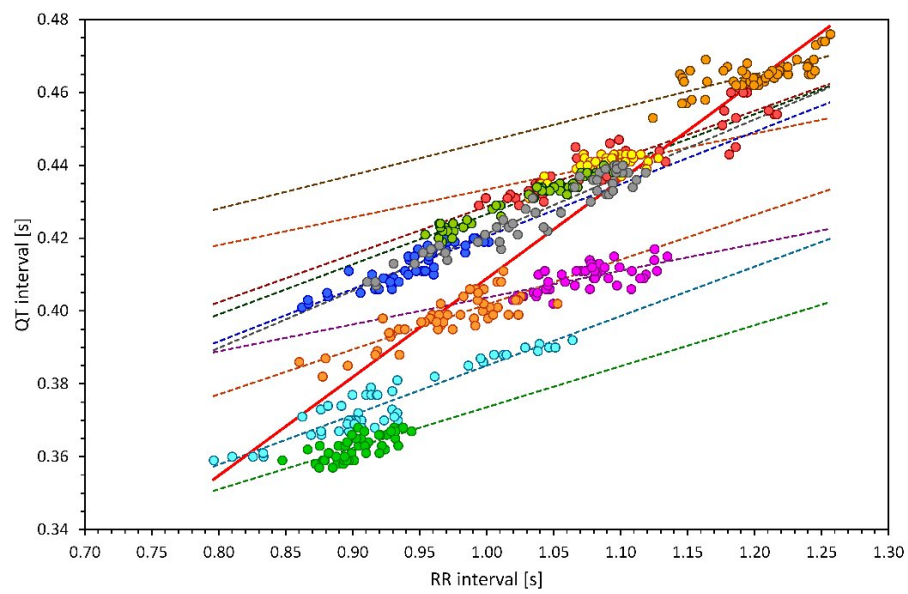
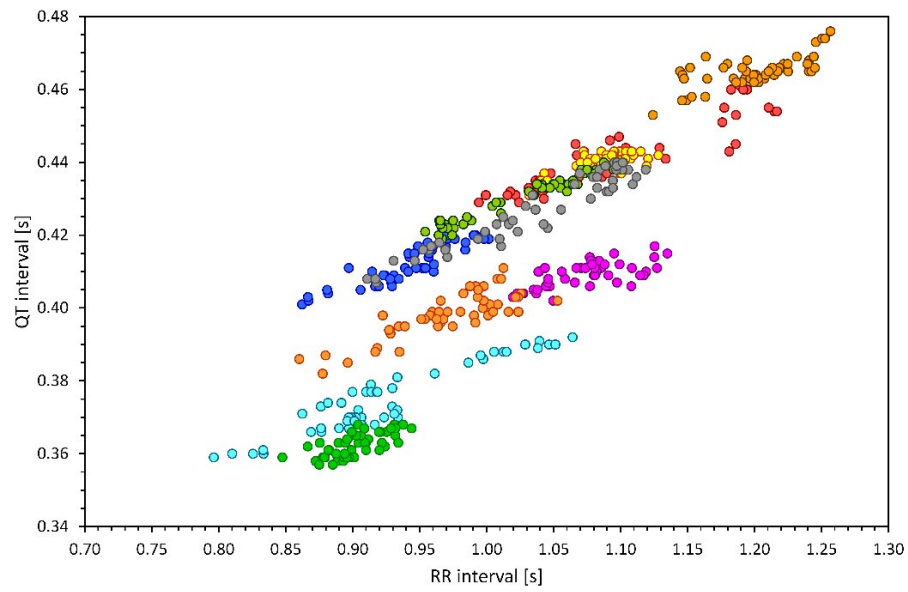
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Electronic Supplementary Material 4

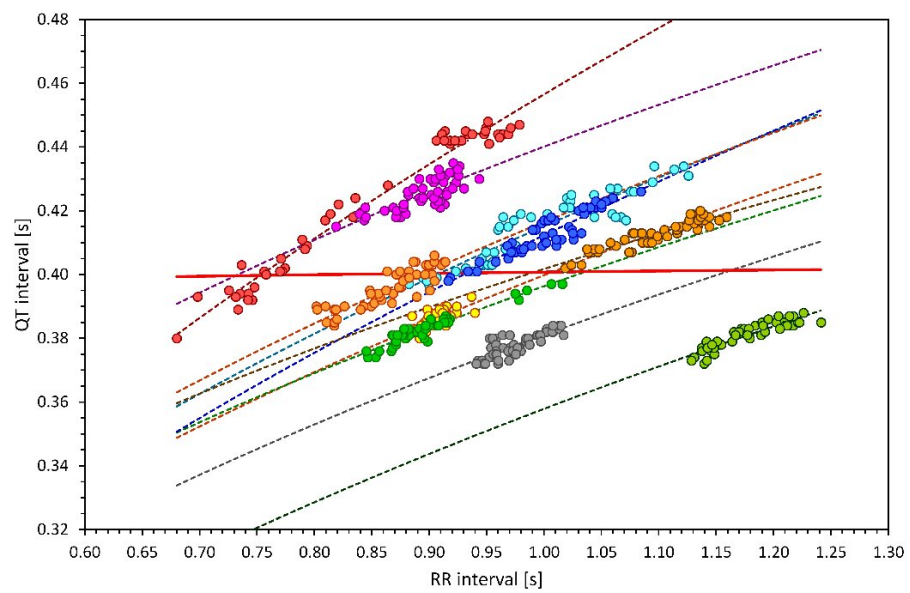
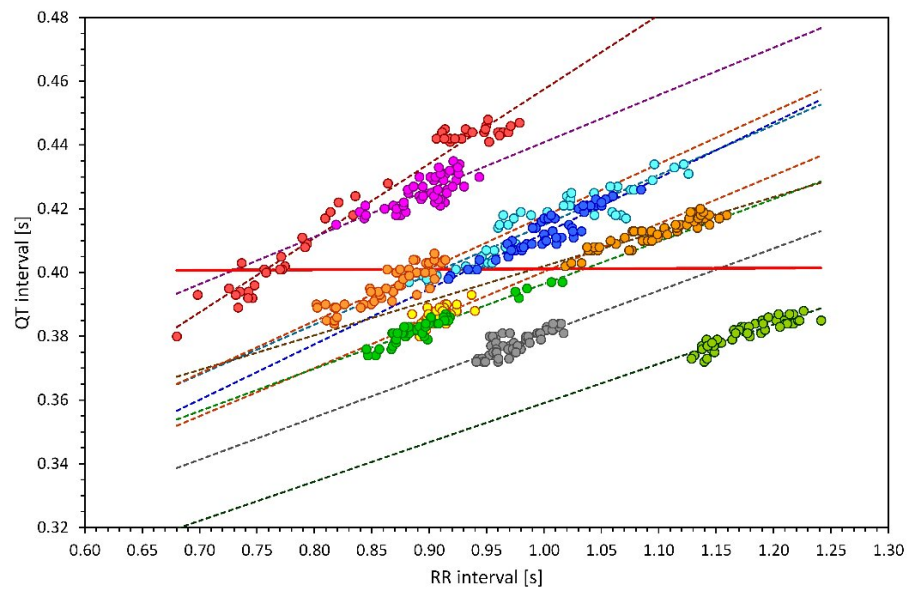
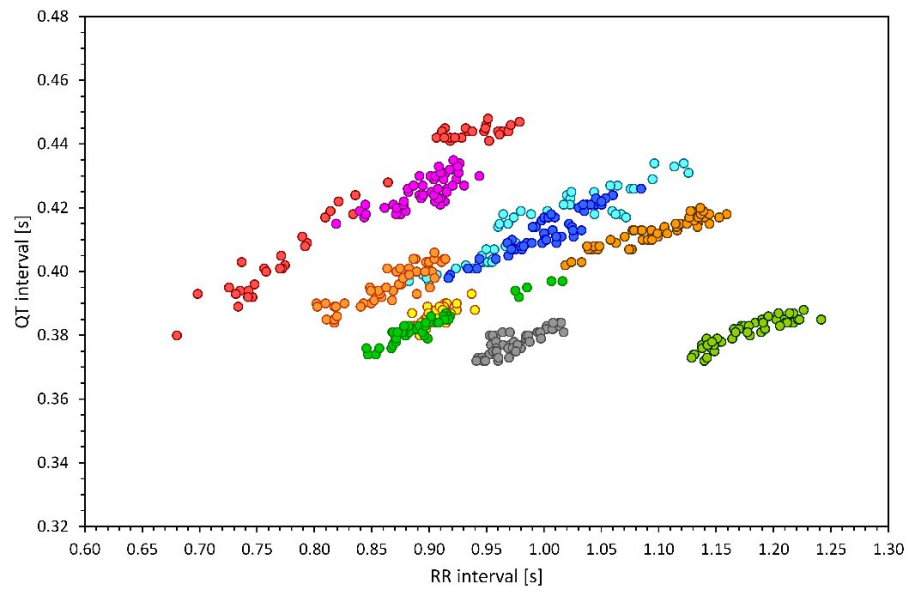
Part 1



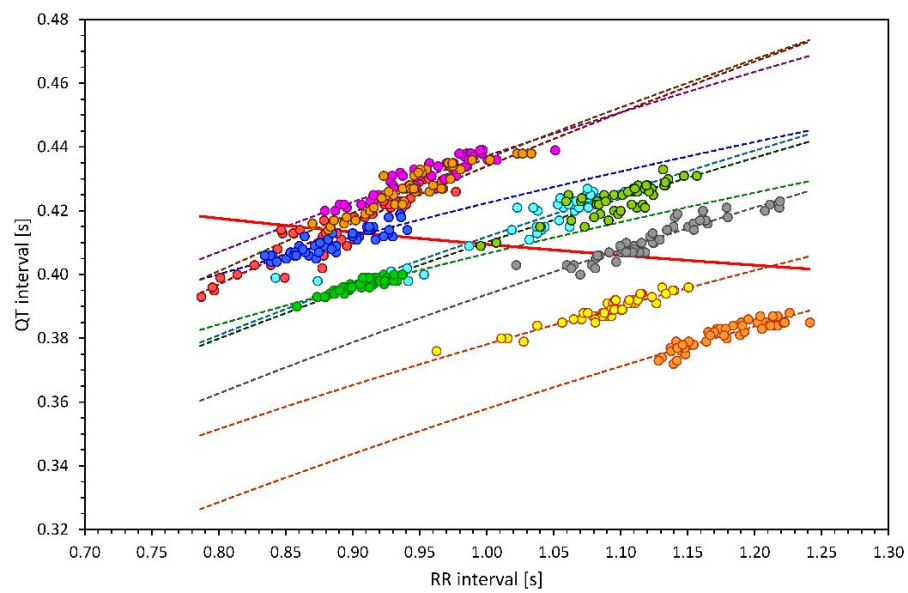
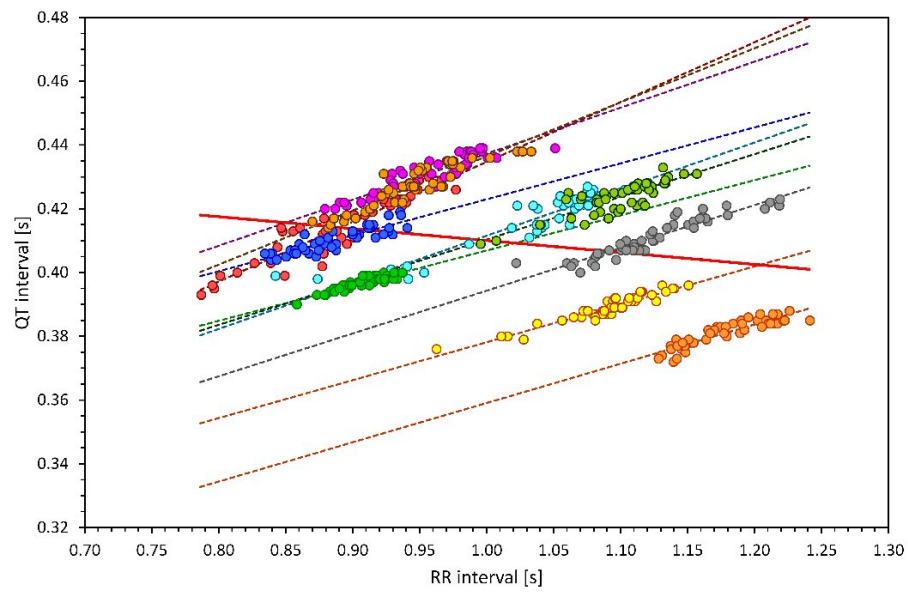
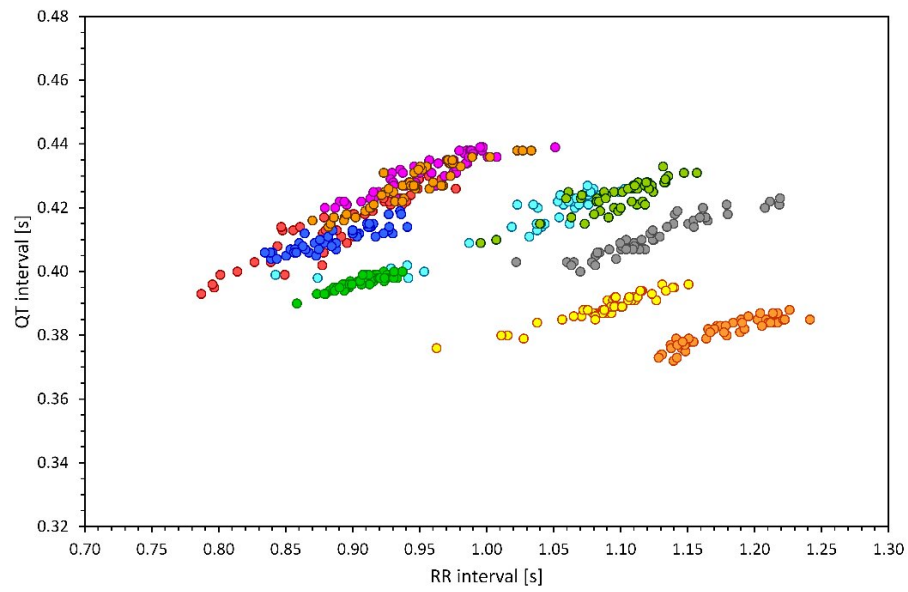
Part 2



Part 3



Part 4



The electronic supplementary material shows 4 examples (Parts 1 to 4) of substantial differences between subject-specific slopes and population-specific slopes in different populations of 10 subjects. In each part, 3 panels are shown.

The top panel shows the QT/RR data of selected baseline time-points in 10 different subjects (distinguished by different colors). The middle panel shows linear QT/RR regression of the baseline time-points for each subject separately (short dashed lines of the corresponding colors) and of the baseline time-points pooled from all 10 subjects together (bold red line). The bottom panel shows log-linear QT/RR regression of the baseline time-points for each subject separately (short dashed lines of the corresponding colors) and of the baseline time-points pooled from all 10 subjects together (bold red line).

Note that the slopes of the subject-specific regressions (both linear and log-linear) are very different from the slopes of the population-specific regressions.