

Article title: Implications of individual QT/RR profiles

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

Journal name: Drug Safety

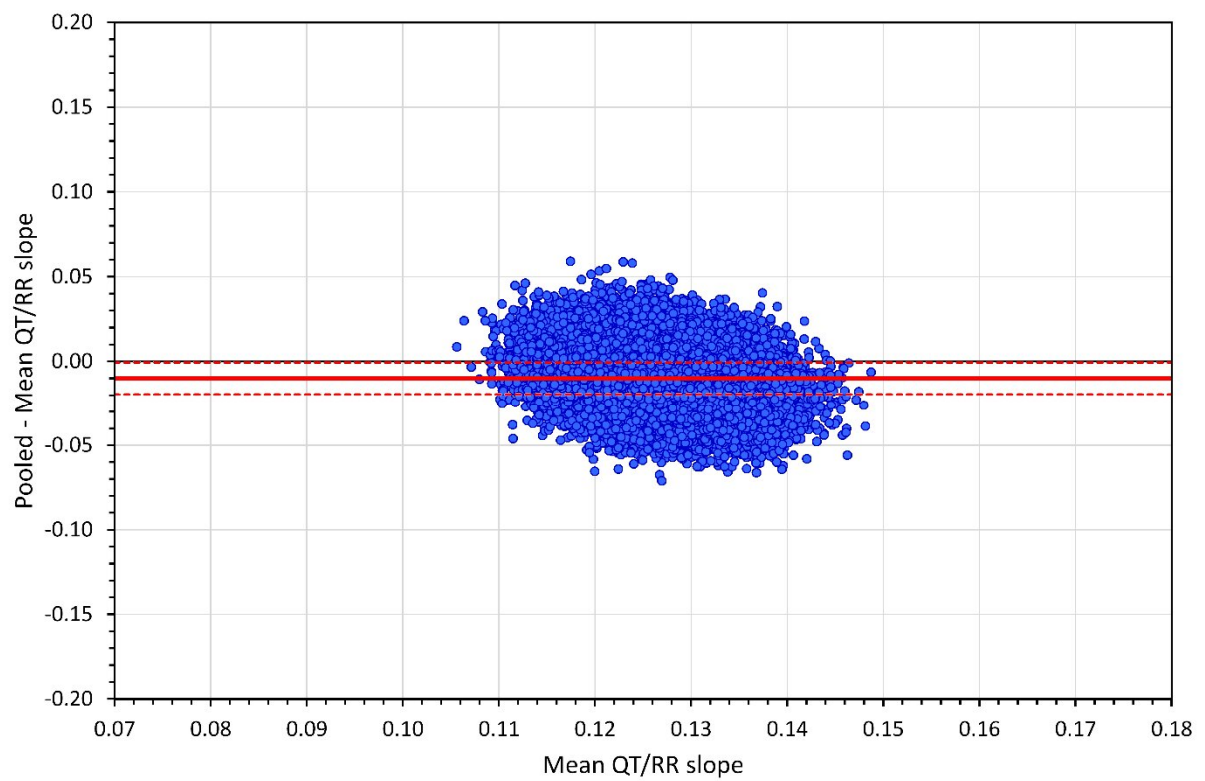
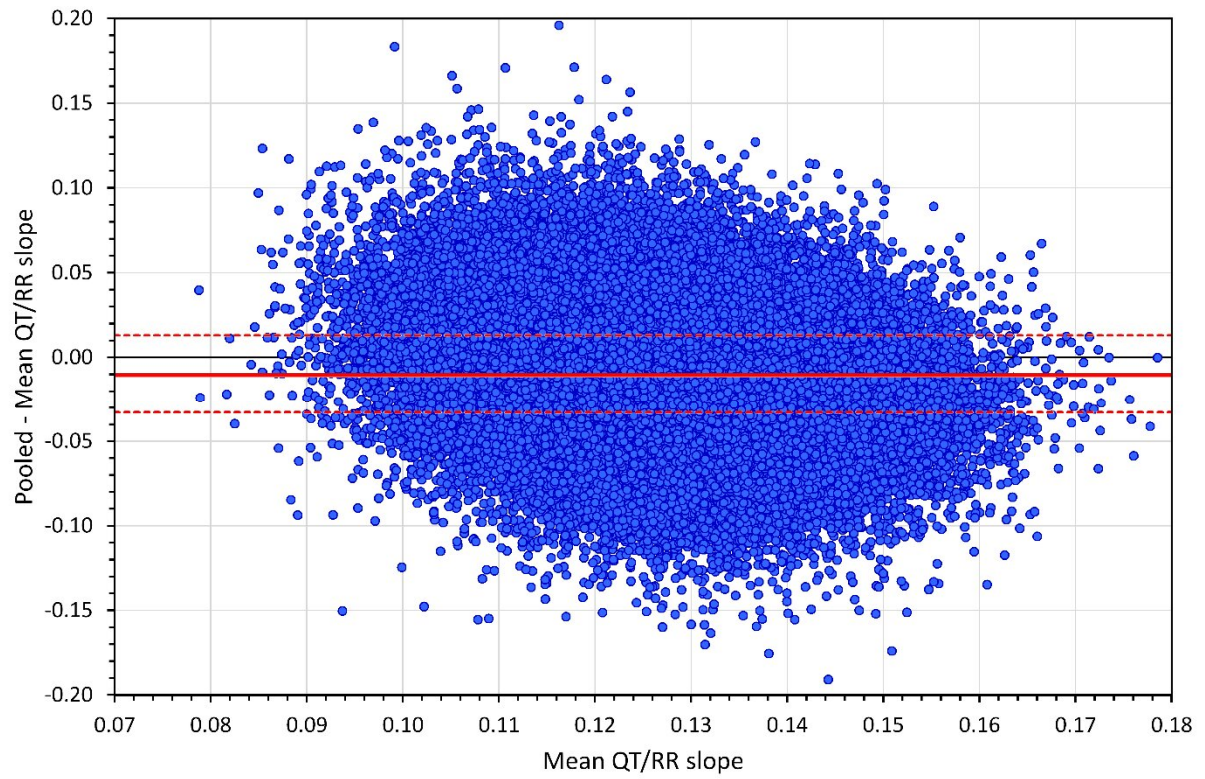
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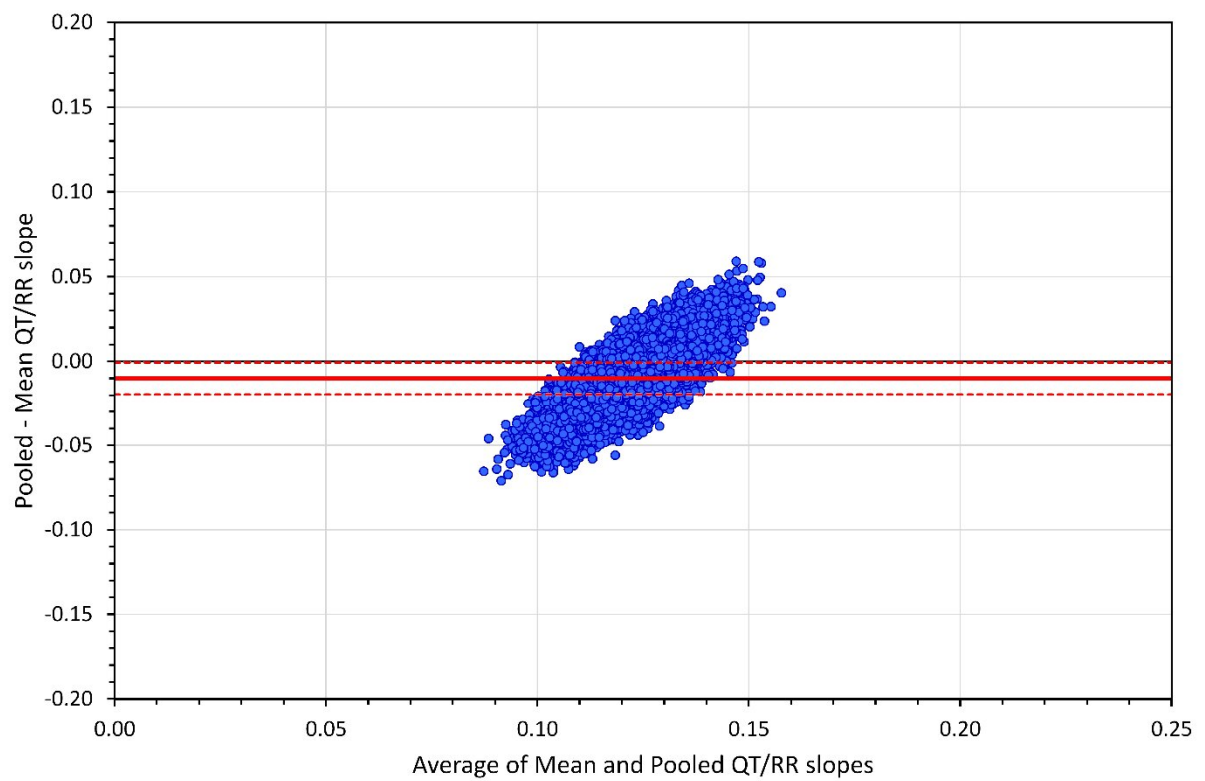
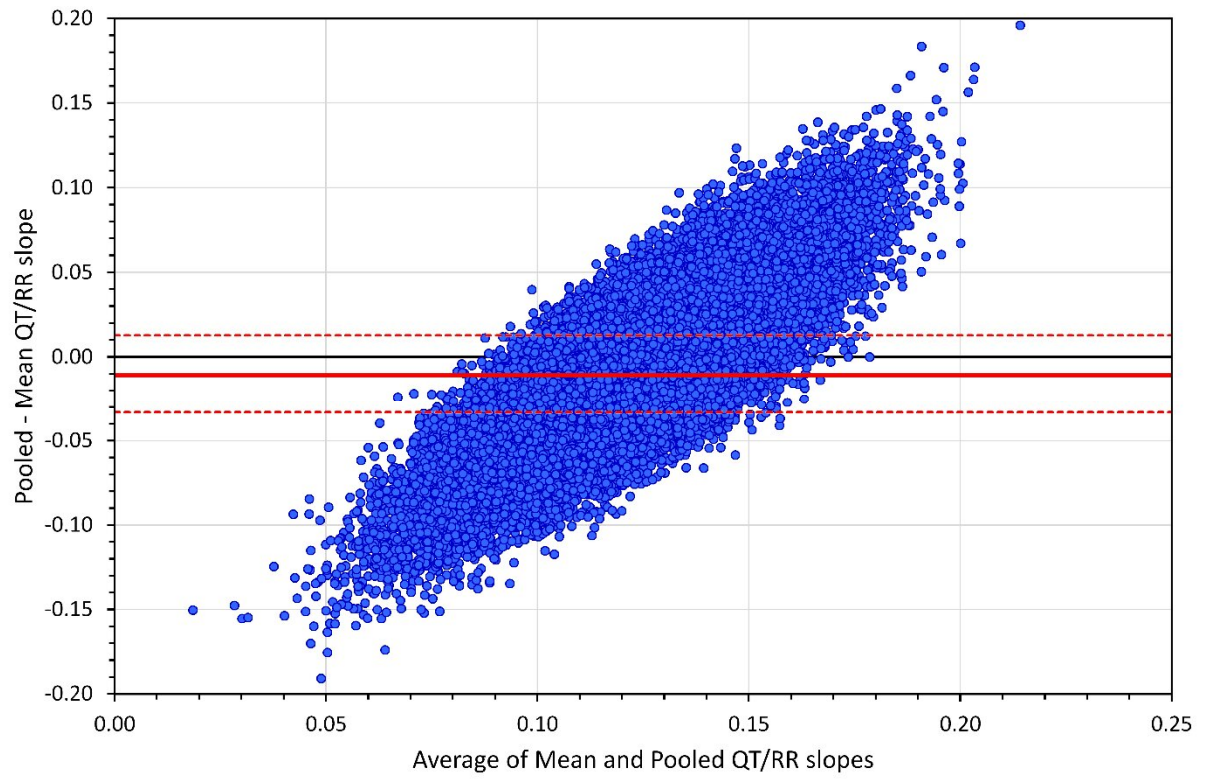
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Electronic Supplementary Material 3

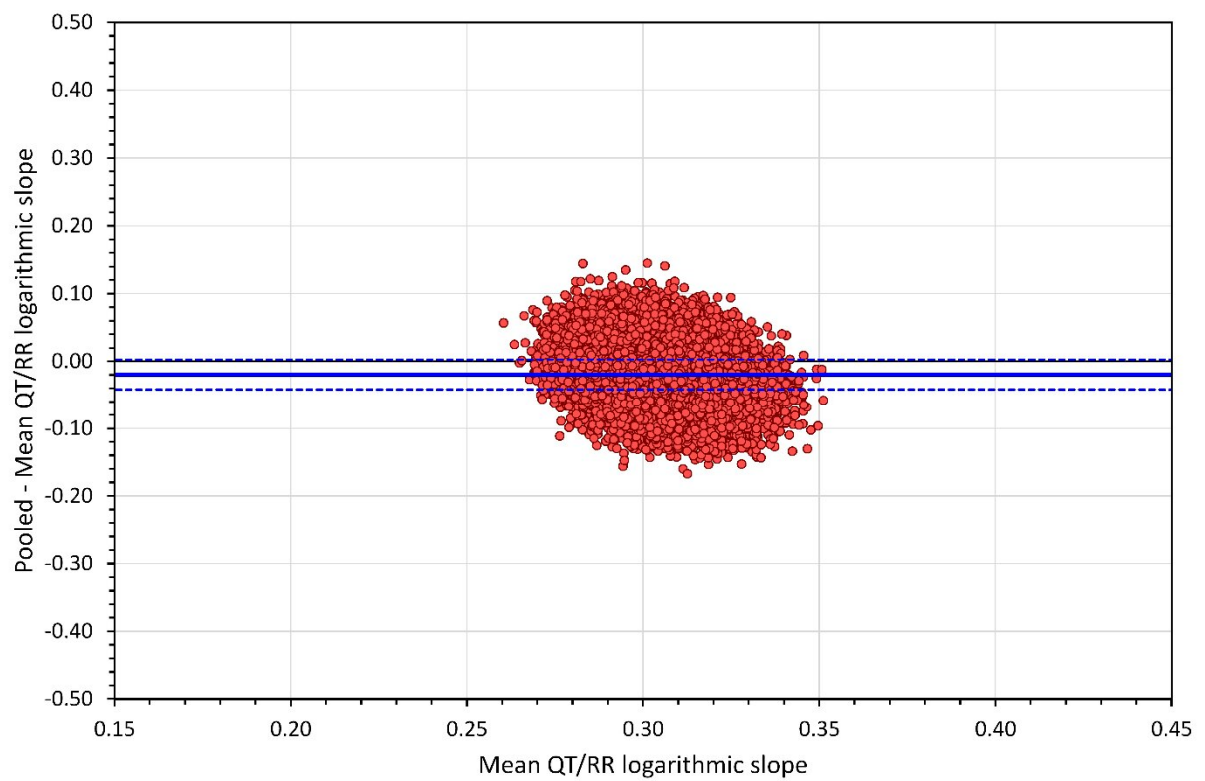
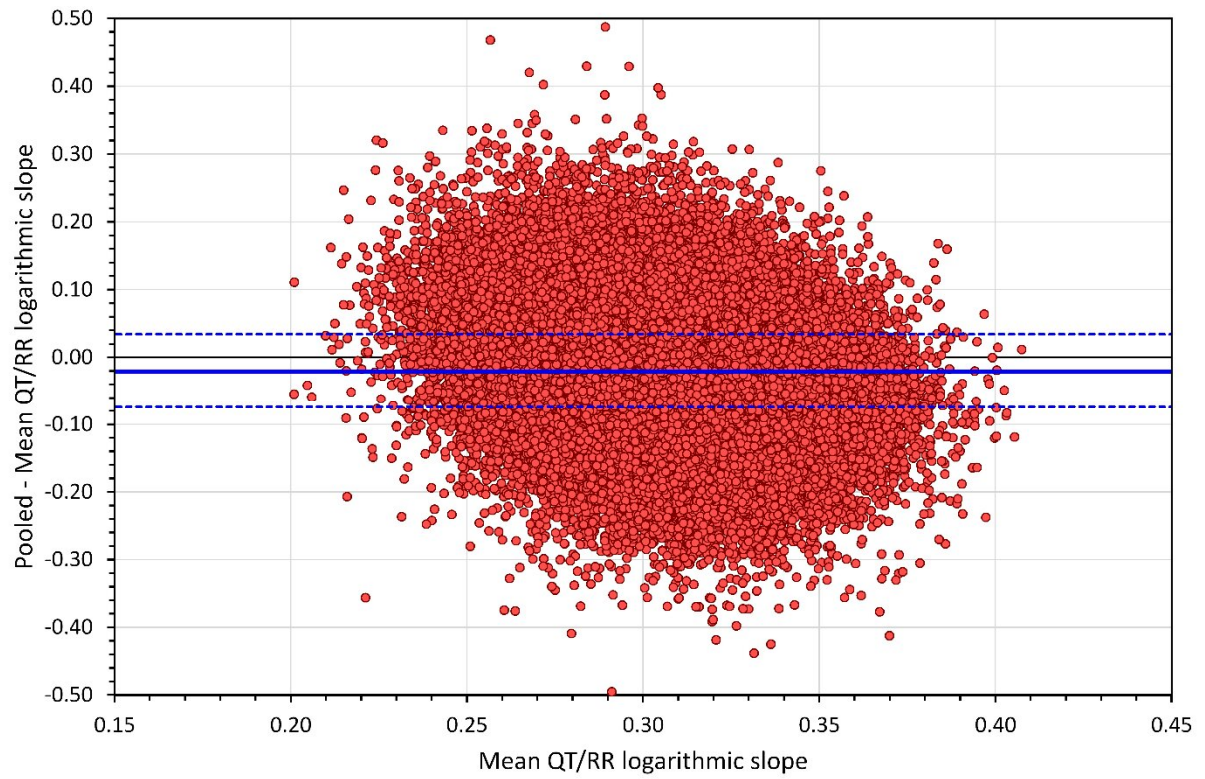
Part 1



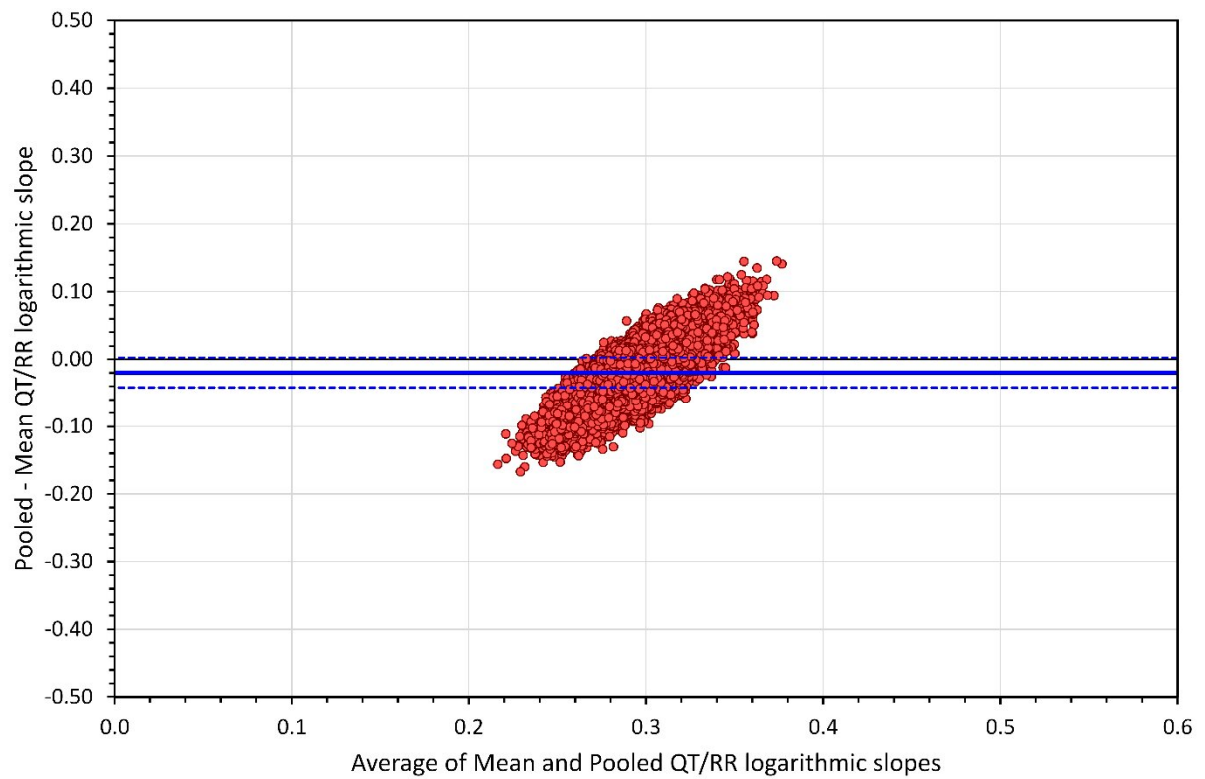
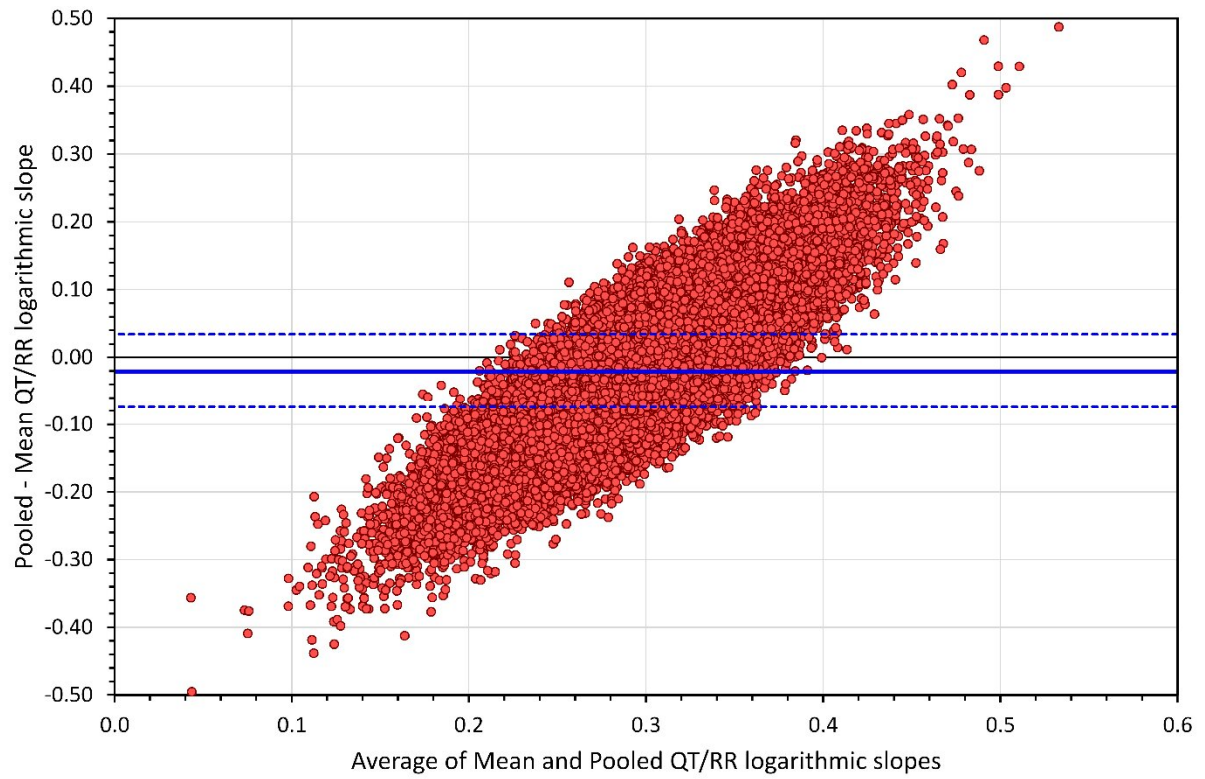
Part 2



Part 3



Part 4



The electronic supplementary material shows the differences between population-specific QT/RR slopes (derived from the selected baseline QT/RR data pooled from several subjects) and the averages of subject-specific QT/RR slopes (derived from the selected QT/RR data of each subject separately). The material consists of 4 parts, each of two panels.

Part 1 shows the differences between the population-specific (pooled) linear QT/RR slope and the averages of individual linear QT/RR slopes (horizontal axis) versus the mean of individual linear QT/RR slopes (horizontal axis). The 100,000 repetitions of the populations of 10 and 50 subjects are shown in the top and bottom panel, respectively.

Part 2 show the differences between the population-specific (pooled) linear QT/RR slope and the averages of individual linear QT/RR slopes (horizontal axis) versus the averaged value of the population-specific linear slope and of the mean of individual linear QT/RR slopes (horizontal axis). The 100,000 repetitions of the populations of 10 and 50 subjects are shown in the top and bottom panel, respectively.

Part 3 shows the differences between the population-specific (pooled) log-linear QT/RR slope and the averages of individual log-linear QT/RR slopes (horizontal axis) versus the mean of individual log-linear QT/RR slopes (horizontal axis). The 100,000 repetitions of the populations of 10 and 50 subjects are shown in the top and bottom panel, respectively.

Part 4 show the differences between the population-specific (pooled) log-linear QT/RR slope and the averages of individual log-linear QT/RR slopes (horizontal axis) versus the averaged value of the population-specific log-linear slope and of the mean of log-individual linear QT/RR slopes (horizontal axis). The 100,000 repetitions of the populations of 10 and 50 subjects are shown in the top and bottom panel, respectively.

In all panels, the full horizontal line shows the median of the differences between the population-specific slopes and the means of the subject-specific slopes. The dashed horizontal lines show the inter-quartile range of the differences.

Note also in Parts 1 and 3 that the differences between the population-specific slopes and the means of the subject-specific slopes are negatively correlated to the means of the subject-specific slopes.