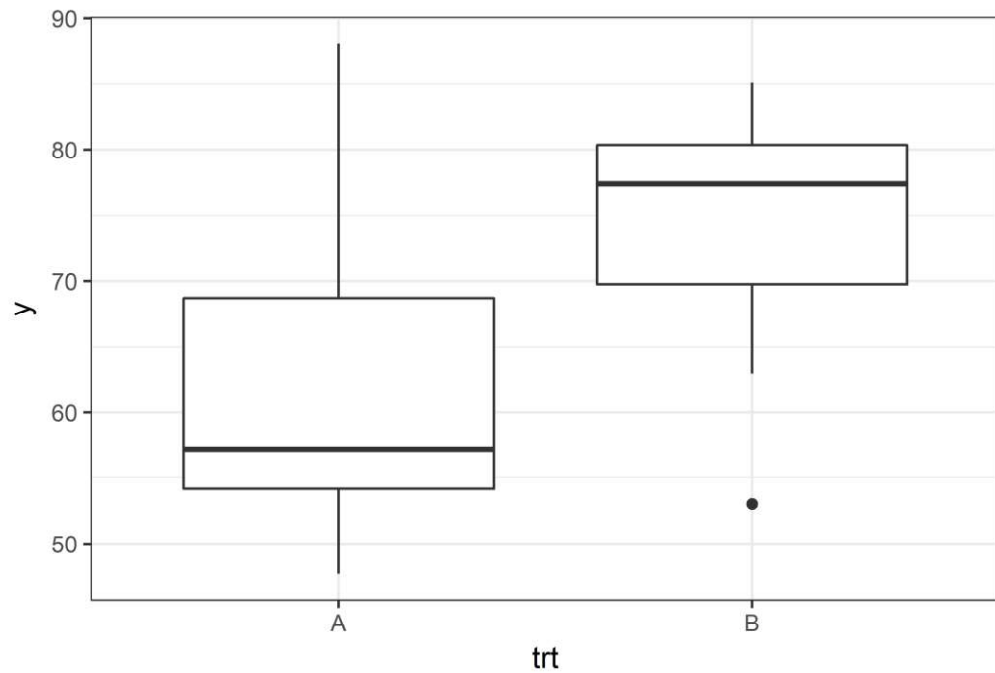Fig. 9.1

Fig. 9.1. This box and whisker plot does not exactly replicate Fig. 3 of Chapter 9 in that the boxes are narrower and the lower whisker for Trt B is shorter. The latter allows the minimum value to be identified as a possible outlier. These disparities are due to SAS and R using different algorithms for determining quantiles, which can result in sizable differences for small samples such as this (use the R help for the quantile() function for more information on the nine options for quantiles).
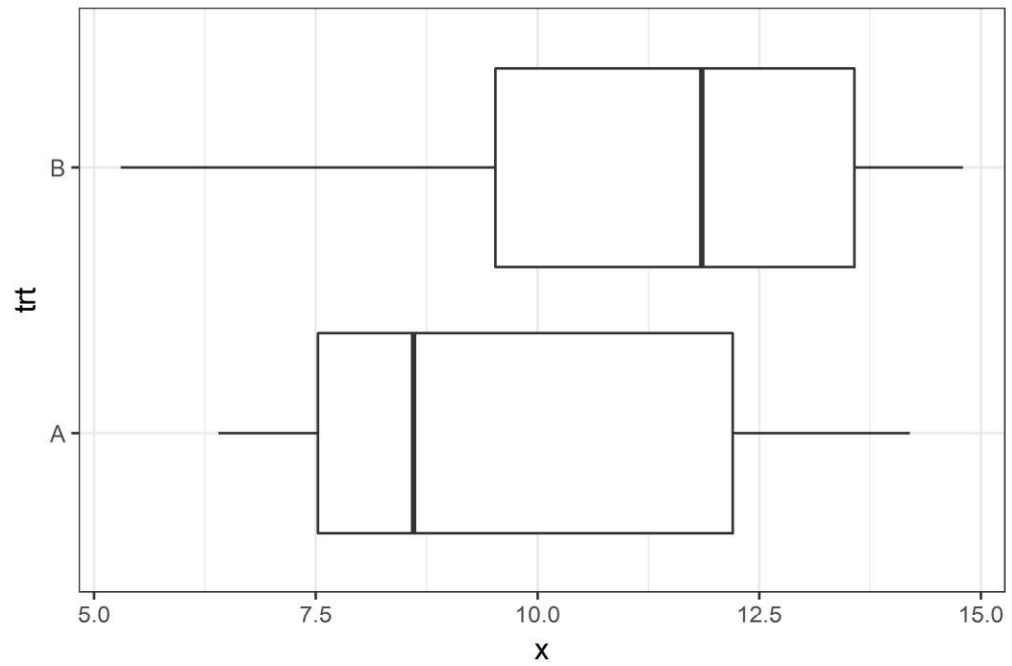
Fig. 9.2

Fig. 9.2. This box and whisker plot varies slightly from Fig. 4 of Ch. 9 for the same reason Fig. 9.1 differs from Fig. 3 of Chapter 9.
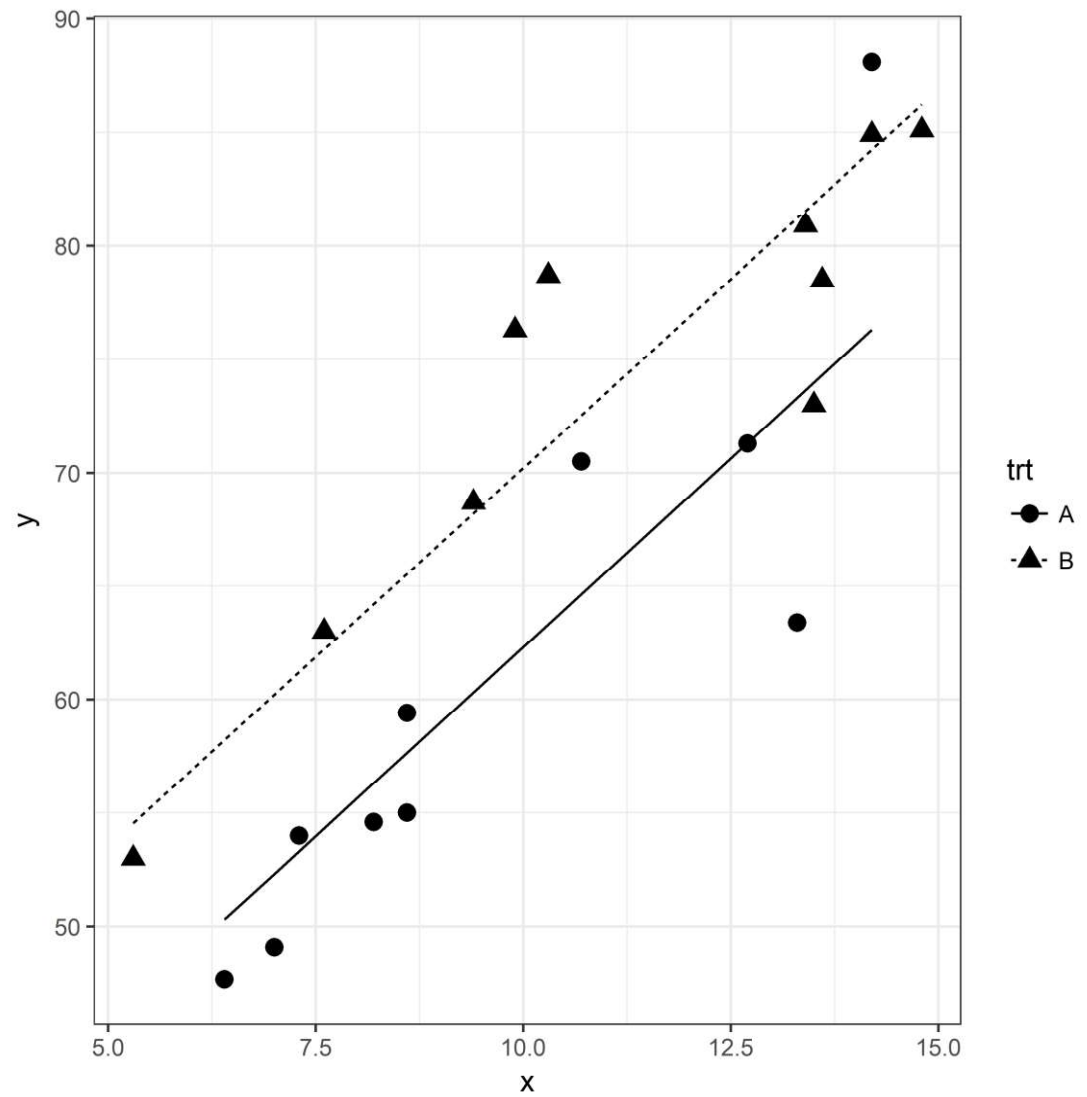
Fig. 9.3

Fig. 9.3. This figure reliably follows Fig. 6 of Chapter 9, in which the ANCOVA quantifies the linear response of y to x for Treatments A and B.
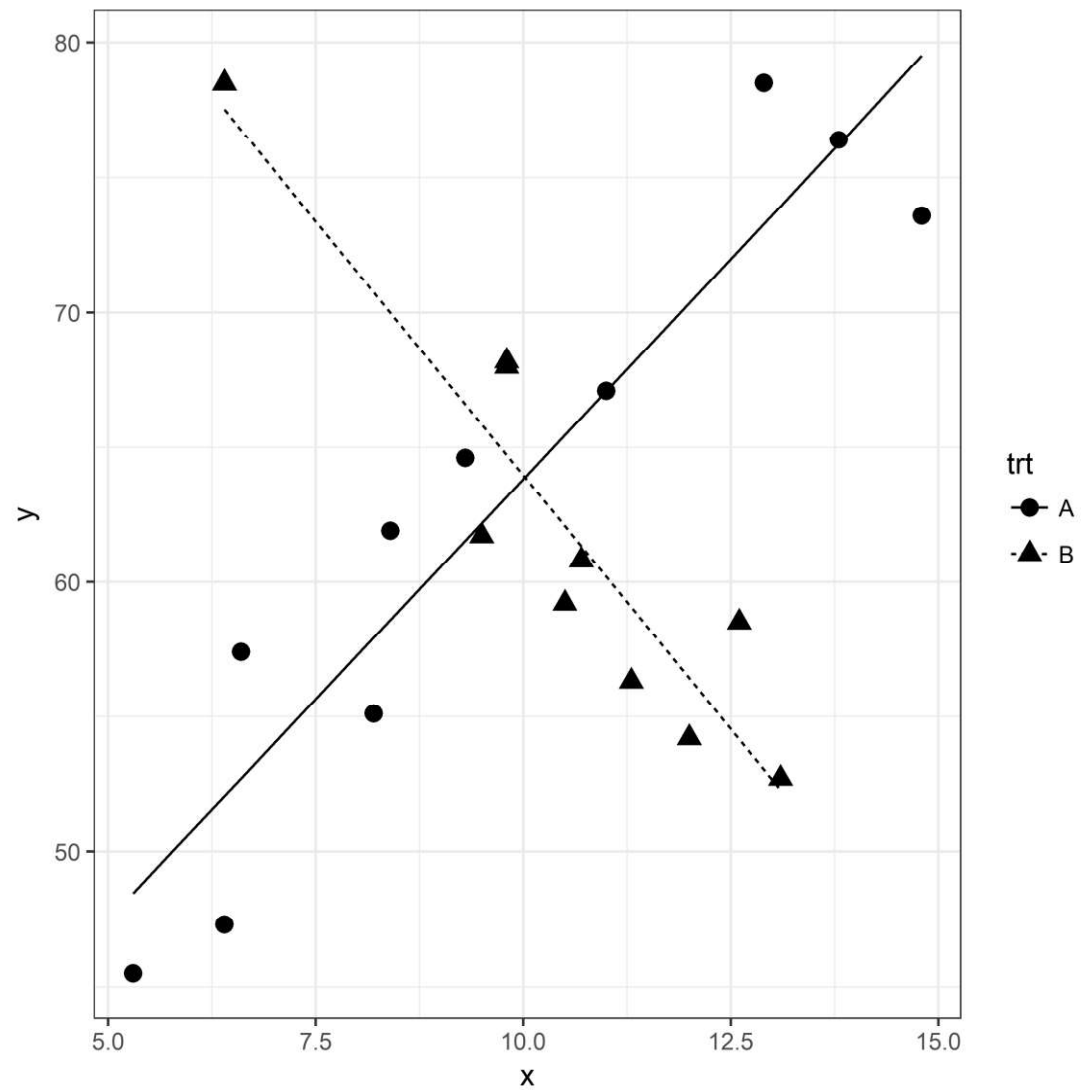
Fig. 9.4

Fig. 9.4. This figure reliably emulates Fig. 18 of Chapter 9 showing the large difference in slopes for Treatments A and B.