

Homework Solutions

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Exercise 23

We should use a weighted average where the average female height is given a weight of 0.60 (60 out of 100) and the average male height is given a weight of 0.40 (40 out of 100). Then the estimate of the overall average is

$$0.60 \times 63 + 0.40 \times 70 = 37.8 + 28 = 65.8.$$