

Solutions

2.1 Weighted total 21 divided by count 10.

2.2 Weighted midpoint sum 160 divided by 10.

2.3 Sort and select the central third observation.

3.1 False. In the class $[0,10)$, the observations 1 and 2 have mean 1.5, while using midpoint 5 estimates mean 5. Midpoints replace unknown individual values.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.