

**Example 5**

The table below shows the amount of money spent on tickets for an upcoming concert at a small venue. Determine the mean amount of money spent on tickets.

Ticket Price	# of Tickets Sold (Frequency)
\$50	3
\$75	7
\$95	9
\$130	4

Score                      Frequency

$$\begin{aligned}
 \text{Weighted mean} &= \frac{(50 \times 3) + (75 \times 7) + (95 \times 9) + (130 \times 4)}{(3 + 7 + 9 + 4)} \\
 &= \frac{150 + 525 + 855 + 520}{23} \\
 &= \frac{2050}{23} \\
 &= \boxed{\$89.13}
 \end{aligned}$$

