

How to Calculate Z-Score

Formula:

$$z\text{-score} = \frac{x_i - \bar{x}}{s}$$

x_i = data point

\bar{x} = mean

s = standard deviation

Example:

$$z = \frac{231 - 130.1}{47.85} = 2.11$$

$$z = \frac{50 - 130.1}{47.85} = -1.67$$