

Task 7: Z-Scores and Interpretation

Given: Mean = 50, Standard deviation = 10

- **For $x = 60$:** $z = (60 - 50) / 10 = 1$
- **For $x = 40$:** $z = (40 - 50) / 10 = -1$
- **Interpretation:** $x = 60$ is one standard deviation above the mean, and $x = 40$ is one below.