

Dataset: The annual salaries (in \$1000) of 20 employees in a tech company:
[45, 48, 50, 52, 55, 58, 60, 62, 65, 68, 70, 72, 75, 78, 80, 85, 90, 95, 150, 500]

Calculate:

1. Range
2. Variance
3. Standard deviation
4. Q2
5. IQR (Interquartile Range)
6. Calculate the lower and upper fences for outlier detection
7. Identify any outliers using the IQR method
8. How many outliers are there and what are their values?