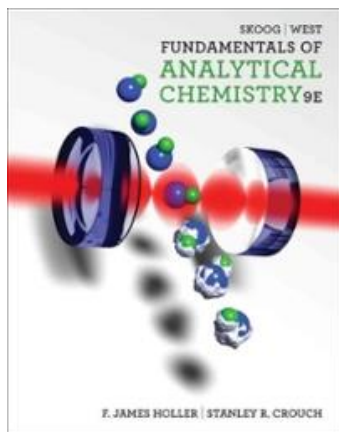


# STATISTICS IN CHEMISTRY

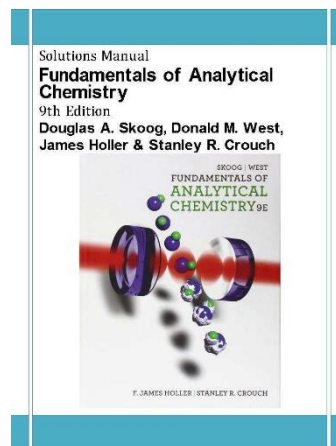


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1.



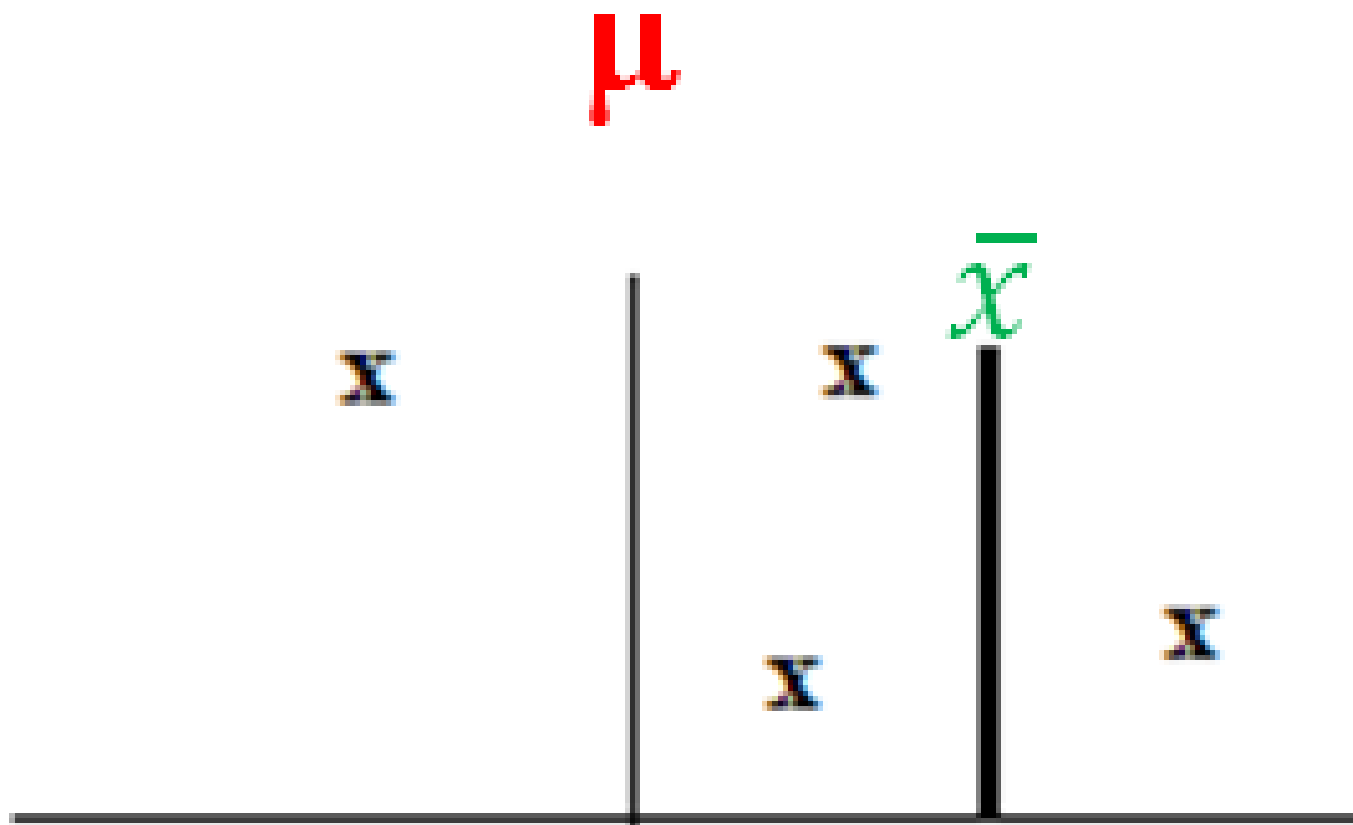
2.



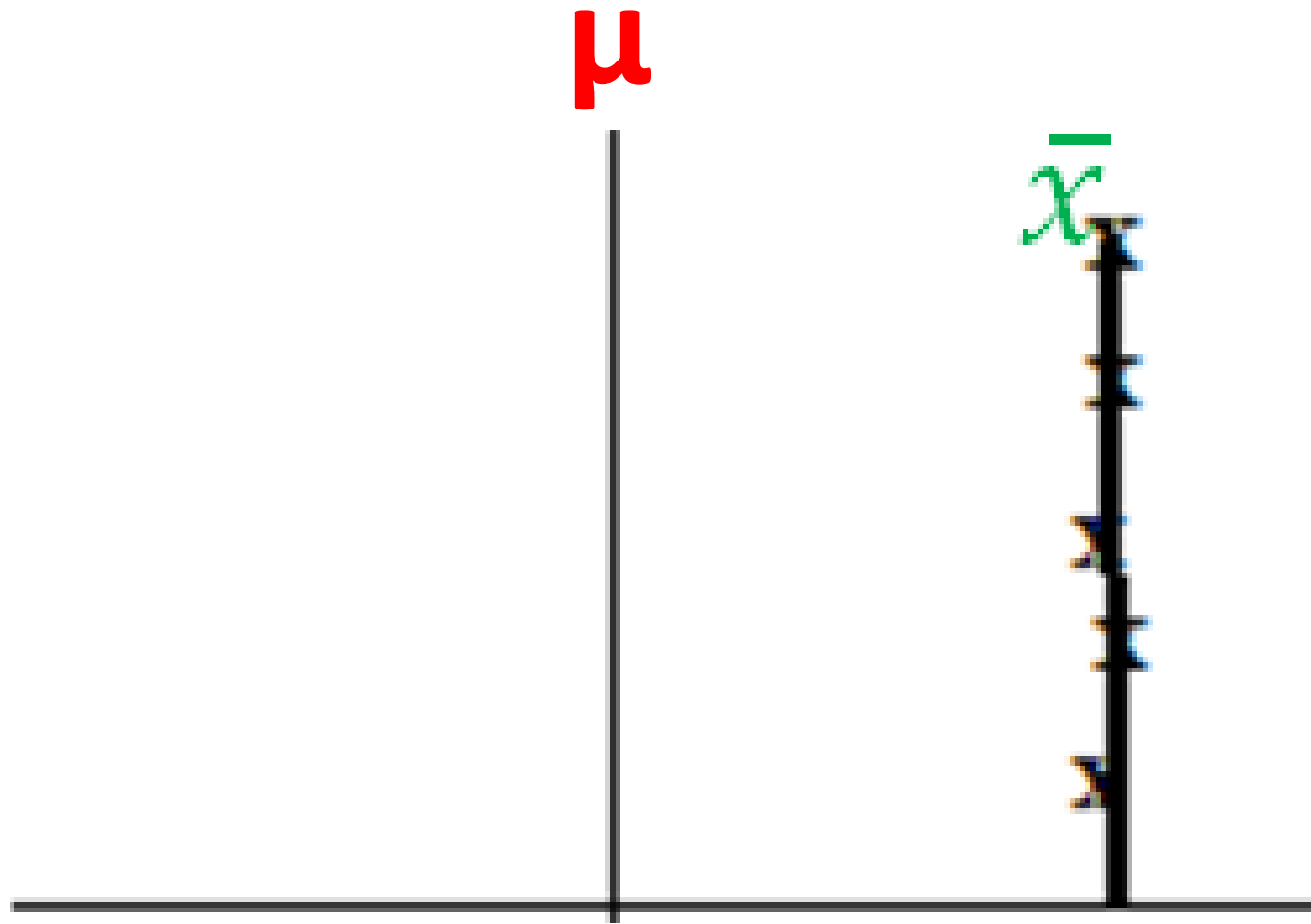
1. Skoog DA, West DM, Holler FJ, Crouch SR. Fundamentals of Analytical Chemistry. Nelson Education; 2013.
2. Skoog DA, West DM, Holler FJ, Crouch SR. Solutions Manual of Fundamentals of Analytical Chemistry. Nelson Education; 2013.

# The concept of Accuracy and Precision

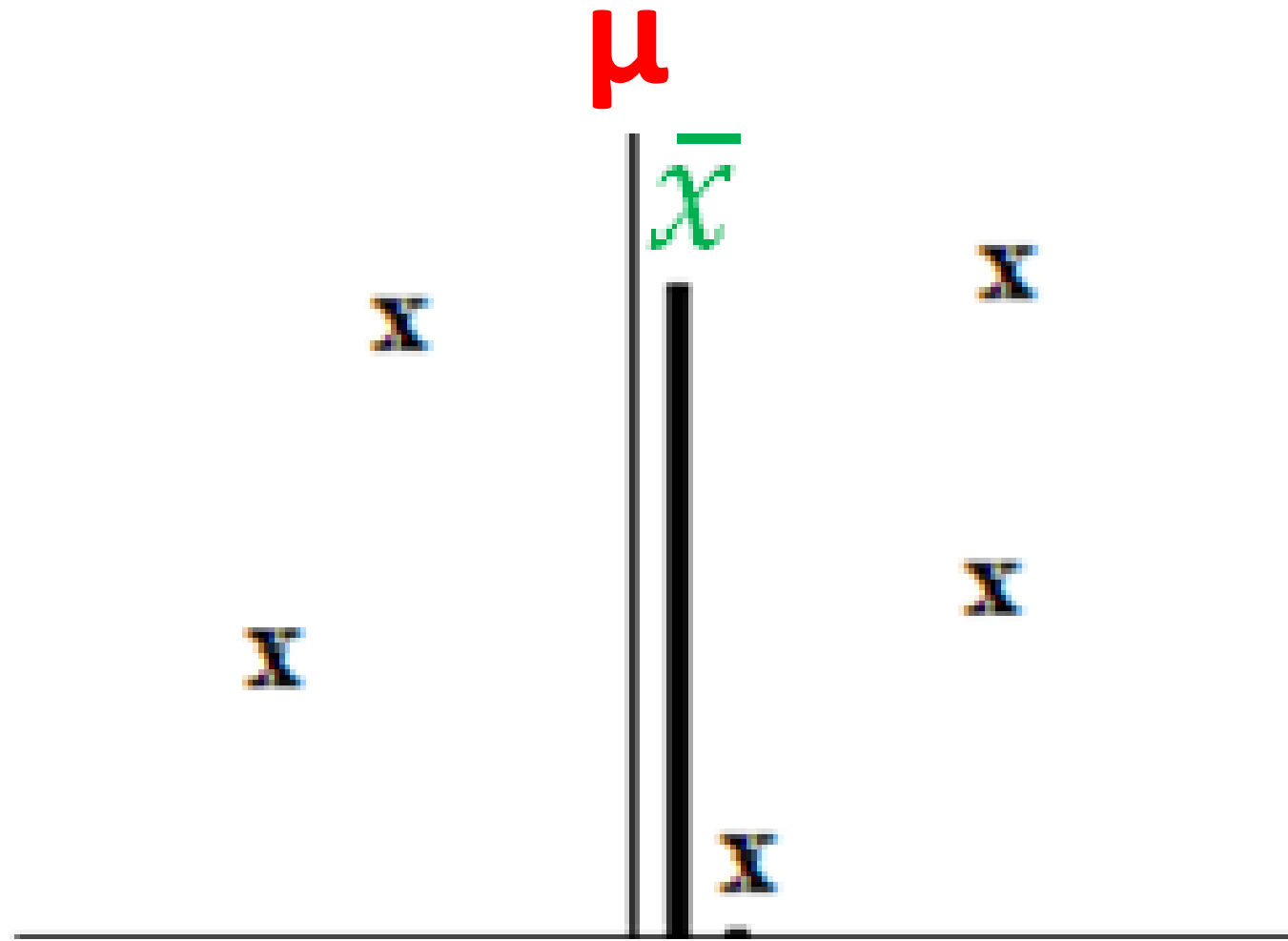
There are two important concepts in the evaluation of the analysis results; accuracy and precision. **Accuracy** is a measure of the proximity of the results to the actual value. The closer it is, the more accurate it is, the more distant it is, the more wrong it is. **Precision** is a measure of the closeness of the results obtained by the same method. Therefore, according to the data obtained from the analysis results, can be high accuracy low precision or low accuracy high precision. However, the task of an analyst is to obtain the results of the analysis with high accuracy and precision.



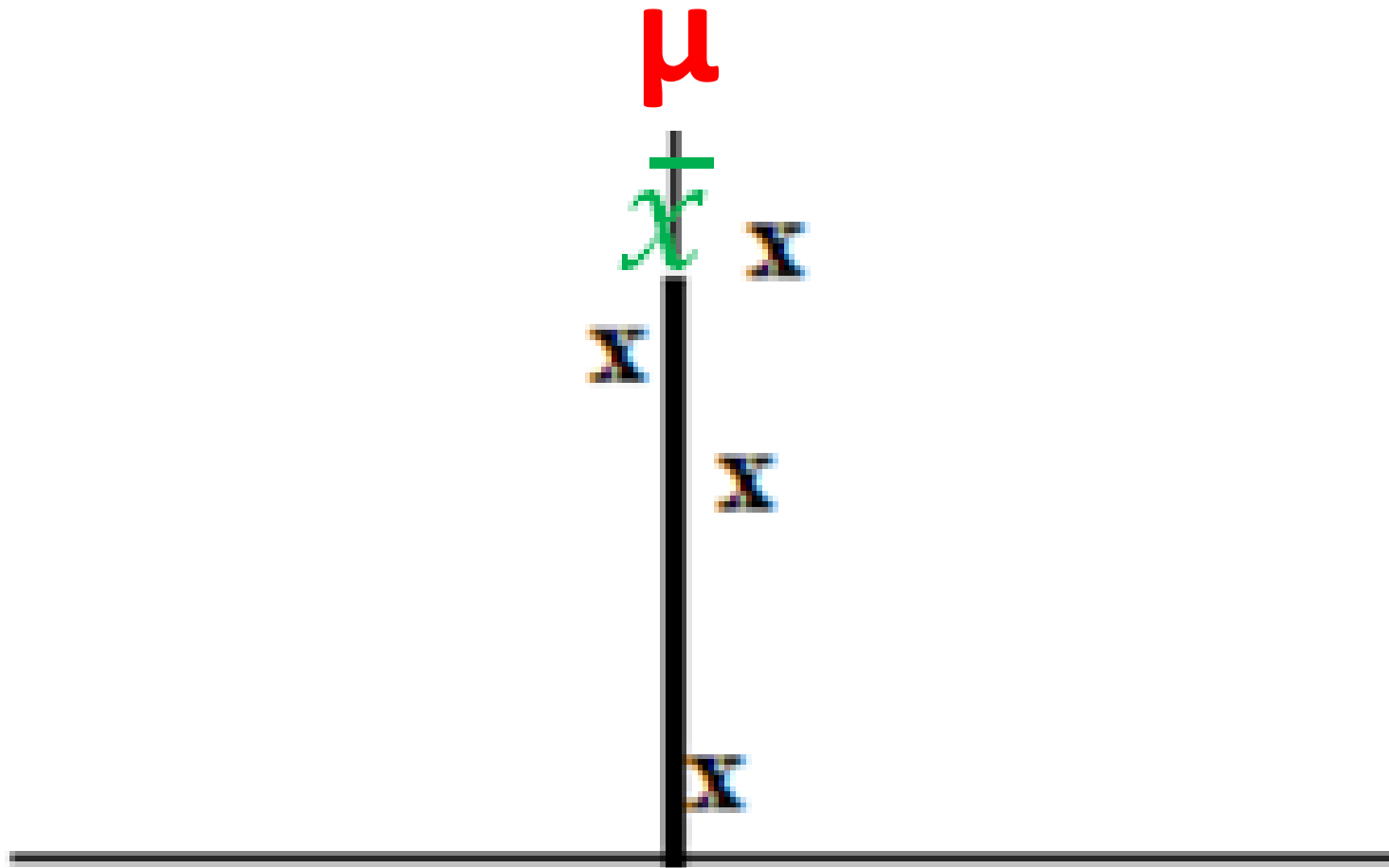
*Low accuracy, low precision*



*Low accuracy, high precision*



*High accuracy, low precision*



*High accuracy, high precision*