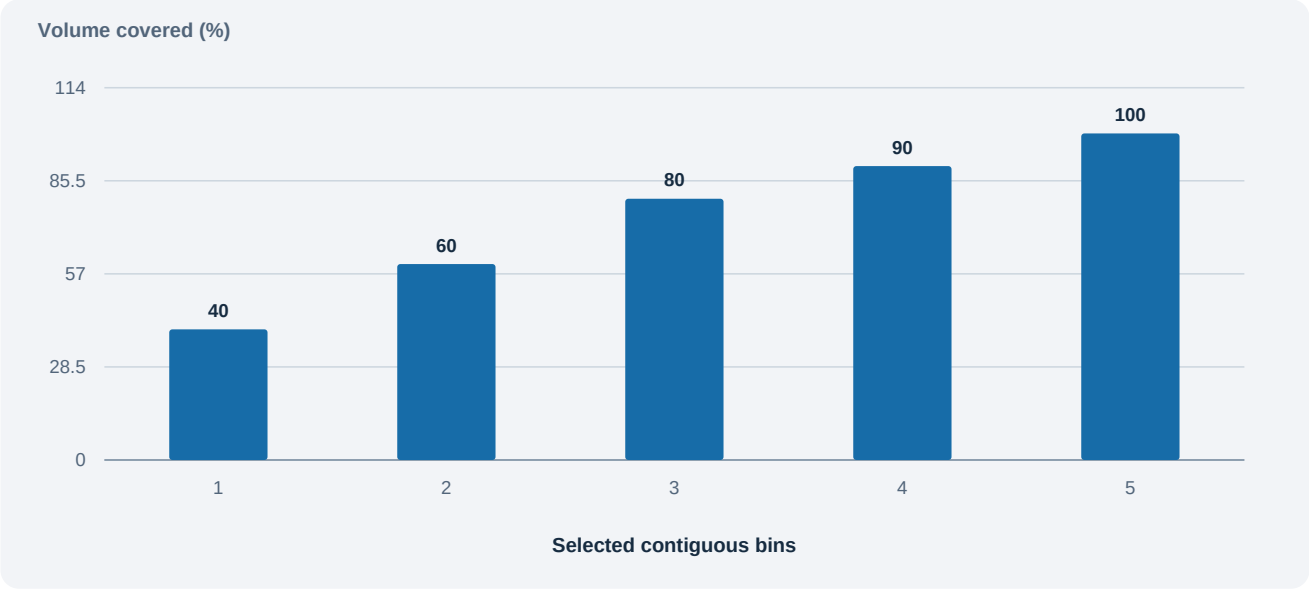
Coverage of selected profile bins

Volume and auction | Original synthetic example | Edition 2026-11-26

Value-area coverage is the share of total profile volume included by a chosen set of price bins. This arithmetic check does not prescribe the algorithm used to select contiguous bins.

FORMULA Coverage = volume in selected bins / total profile volume

SCENARIO 01: Fixed expansion order: center, lower, upper, outer lower, outer upper



WORKED EXAMPLE

The first three selected bins contain 80 of 100 volume, or 80%.

COMMON MISTAKE

Assuming every platform selects the same value area ignores expansion and tie-handling conventions.

BEFORE YOU USE THE CALCULATION

1. Name the selection algorithm.
2. Sum complete selected bins.
3. Report actual coverage when the target is overshot.

COMPARE TWO MORE INPUT SETS

Scenario 05: Fixed expansion order: center, lower, upper, outer lower, outer upper. The first three selected bins contain 100 of 136 volume, or 73.53%.

Scenario 10: Fixed expansion order: center, lower, upper, outer lower, outer upper. The first three selected bins contain 125 of 181 volume, or 69.06%.

Synthetic values are not historical market data. Educational material; trading can result in substantial losses.