

compression Ratio

The compression ratio measure ~~ages~~ how effectively a compression algorithm reduces size of data

It compares the original data size to compressed data size

$$\text{compression ratio} = \frac{\text{original data size}}{\text{compressed data size}}$$

Given

Original data size = 100 KB

Compressed data size = 40 KB

calculation

$$CR = \frac{100}{40}$$

$$CR = 2.5$$

compression Ratio = 2.5:1

compressed algorithm has reduced the storage requirement significantly.