

I'm reading how abnormal returns are calculated [1]:

1. $R_{bt} = \alpha + \beta R_{xt} + \epsilon_{bt}$,
2. $\hat{R}_{bt} = \hat{\alpha} + \hat{\beta} R_{xt}$,
3. $AR_{bt} = R_{bt} - \hat{R}_{bt} = R_{bt} - (\hat{\alpha} + \hat{\beta} R_{xt})$.

In the work I found the word bth, gemini suggests a synonym for nth.

[1] Zahoor Rahma, The effects of mergers and acquisitions on stock price behavior in banking sector of Pakistan, 2025. <https://doi.org/10.1016/j.jfds.2017.11.005>.