

This statement is true(Reise, 2012). D. C. Briggs and Domingue (2013) claimed that the Rasch model will optimize the vertical scaling.

References

- Bertoli-Barsotti, L. & Bacci, S. (2014, February). Identifying Guttman Structures in Incomplete Rasch Datasets. *Communications in Statistics - Theory and Methods*, 43(3), 470–497. doi:[10.1080/03610926.2012.665552](https://doi.org/10.1080/03610926.2012.665552)
- Briggs, D. C. [D. C.] & Domingue, B. (2013, October). The Gains From Vertical Scaling. *Journal of Educational and Behavioral Statistics*, 38(6), 551–576. doi:[10.3102/1076998613508317](https://doi.org/10.3102/1076998613508317)
- Briggs, D. C. [Derek C.]. (2013, June). Measuring Growth With Vertical Scales. *Journal of Educational Measurement*, 50(2), 204–226. doi:[10.1111/jedm.12011](https://doi.org/10.1111/jedm.12011)
- Cai, L., Yang, J. S., & Hansen, M. (2011, September). Generalized full-information item bifactor analysis. *Psychological methods*, 16(3), 221–48. doi:[10.1037/a0023350](https://doi.org/10.1037/a0023350)
- Dadey, N. & Briggs, D. C. [Derek C.]. (2012). A meta-analysis of growth trends from vertically scaled assessments. *Practical Assessment, Research and Evaluation*, 17(14), 1–14. Retrieved from <http://www.scopus.com/inward/record.url?eid=2-s2.0-84877104129%5C&partnerID=tZOtx3y1>
- Karl, A. T. [A. T.], Yang, Y., & Lohr, S. L. (2013, September). A Correlated Random Effects Model for Nonignorable Missing Data in Value-Added Assessment of Teacher Effects. *Journal of Educational and Behavioral Statistics*, 38(6), 577–603. doi:[10.3102/1076998613494819](https://doi.org/10.3102/1076998613494819)
- Karl, A. T. [Andrew T.], Yang, Y., & Lohr, S. L. (2013, March). Efficient maximum likelihood estimation of multiple membership linear mixed models, with an application to educational value-added assessments. *Computational Statistics & Data Analysis*, 59(1), 13–27. doi:[10.1016/j.csda.2012.10.004](https://doi.org/10.1016/j.csda.2012.10.004)
- Lei, P.-W. & Zhao, Y. (2011, November). Effects of Vertical Scaling Methods on Linear Growth Estimation. *Applied Psychological Measurement*, 36(1), 21–39. doi:[10.1177/0146621611425171](https://doi.org/10.1177/0146621611425171)
- Li, Y. & Lissitz, R. W. (2012, February). Exploring the Full-Information Bifactor Model in Vertical Scaling With Construct Shift. *Applied Psychological Measurement*, 36(1), 3–20. doi:[10.1177/0146621611432864](https://doi.org/10.1177/0146621611432864)
- Llosa, L. (2012, October). Assessing English Learners' Progress: Longitudinal Invariance of a Standards-Based Classroom Assessment of English Proficiency. *Language Assessment Quarterly*, 9(4), 331–347. doi:[10.1080/15434303.2012.721422](https://doi.org/10.1080/15434303.2012.721422)
- Pibal, F. & Cesnik, H. S. (2011). Evaluating the quantity-quality trade-off in the selection of anchor items: A vertical scaling approach. *Practical Assessment, Research and Evaluation*, 16(6), 1–12. Retrieved from <http://www.scopus.com/inward/record.url?eid=2-s2.0-84859040997%5C&partnerID=tZOtx3y1>

- Reise, S. P. (2012, September). Invited Paper: The Rediscovery of Bifactor Measurement Models. *Multivariate behavioral research*, 47(5), 667–696. doi:[10.1080/00273171.2012.715555](https://doi.org/10.1080/00273171.2012.715555)
- Sloane, F. C., Oloff-Lewis, J., & Kim, S. H. (2013, March). Value-added models of teacher and school effectiveness in Ireland: wise or otherwise? *Irish Educational Studies*, 32(1), 37–67. doi:[10.1080/03323315.2013.773233](https://doi.org/10.1080/03323315.2013.773233)
- Ye, M. & Xin, T. (2014, February). Effects of Item Parameter Drift on Vertical Scaling With the Nonequivalent Groups With Anchor Test (NEAT) Design. *Educational and Psychological Measurement*, 74(2), 227–235. doi:[10.1177/0013164413513024](https://doi.org/10.1177/0013164413513024)