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Picturing student progress : teachers' comprehension of curriculum-based measurement progress graphs

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REFERENCES

- Al-Moteri, M. O., Symmons, M., Plummer, V., & Cooper, S. (2017). Eye tracking to investigate cue processing in medical decision-making: A scoping review. *Computers in Human Behavior*, 66, 52-66. doi: 10.1016/j.chb.2016.09.022
- Ali, N., & Peebles, D. (2013). The effect of gestalt laws of perceptual organization on the comprehension of three-variable bar and line graphs. *The Journal of the Human Factors and Ergonomics Society*, 55(1), 183-203. doi: 10.1177/0018720812452592
- Black, P., & Wiliam, D. (2005). Changing teaching through formative assessment: Research and practice. In OECD (Ed.), *Formative assessment: Improving learning in secondary classrooms* (pp. 223-240). Paris, France: OECD.
- Boote, S. K. (2014). Assessing and understanding line graph interpretations using a scoring rubric of organized cited factors. *Journal of Science Teacher Education*, 25(3), 333-354. doi: 10.1007/s10972-012-9318-8
- Canham, M., & Hegarty, M. (2010). Effects of knowledge and display design on comprehension of complex graphics. *Learning and Instruction*, 20, 155-166. doi: 10.1016/j.learninstruc.2009.02.014
- Carpenter, P. A., & Shah, P. (1998). A model of the perceptual and conceptual processes in graph comprehension. *Journal of Experimental Psychology: Applied*, 4(2), 75-100.
- Cohen, J., & Cohen, P. (1983). *Applied multiple regression/correlation analysis for the behavioral sciences* (2nd Ed.). Hillsdale, NJ: Lawrence Erlbaum.
- Curcio, F. R. (1981). *The effect of prior knowledge, reading and mathematics achievement, and sex on comprehending mathematical relationships expressed in graphs* (Doctoral thesis). Retrieved from ProQuest. (8128203)
- Curcio, F. R. (1987). Comprehension of mathematical relationships expressed in graphs. *Journal for Research in Mathematics Education*, 18, 382-393. doi: 10.2307/749086
- Deno, S. L. (1985). Curriculum-based measurement: The emerging alternative. *Exceptional Children*, 52, 219-232.
- Deno, S. L. (1986). Formative evaluation of individual student programs: A new role for school psychologists. *School Psychology Review*, 15, 348-374.
- Deno, S. L. (1990). Individual differences and individual difference: The essential difference of special education. *The Journal of Special Education*, 24, 160-173. doi: 10.1177/002246699002400205
- Deno, S. L. (2003). Developments in curriculum-based measurement. *The Journal of Special Education*, 37(3), 184-192. doi: 10.1177/00224669030370030801
- Deno, S. L. (2013). Problem-solving assessment. In R. Brown-Chidsey & K.J. Andren (Eds.), *Assessment for Intervention: A problem-solving approach* (2nd Ed., pp. 10-36). New York, NY: Guilford Press.
- Deno, S. L., & Fuchs, L. S. (1987). Developing curriculum-based measurement systems for data-based special education problem solving. *Focus on Exceptional Children*, 19(8), 1-16.
- Deno, S. L., & Mirkin, P. K. (1977). *Data-based program modification: A manual*. Reston, VA: Council for Exceptional Children.
- Duchowski, A. T. (2017). *Eye tracking methodology. Theory and Practice* (3rd Ed.). Cham, Switzerland: Springer International Publishing AG.
- EP-Nuffic (2016). *Higher education system in the Netherlands*. Retrieved from <https://www.epnuffic.nl/en/files/documents/factsheet-higher-education-system-in-the-netherlands.pdf>

- Ericsson, K. A., & Simon, H. A. (1993). *Protocol analysis. Verbal reports as data* (revised ed.). Cambridge, MA: The MIT Press.
- Espin, C. A., Saab, N., Pat-El, R. J., Boender, P., van der Veen, J. (2018). Curriculum-based measurement progress data: Effects of graph pattern on ease of interpretation. *Zeitschrift für Erziehungswissenschaft*. Advance online publication. doi: 10.1007/s11618-018-0836-9.
- Espin, C. A., Wallace, T., Lembke, E., Campbell, H., & Long, J. D. (2010). Creating a progress measurement system in reading for middle-school students: Tracking progress towards meeting high stakes standards. *Learning Disabilities Research & Practice, 25*(2), 60-75. doi: 10.1111/j.1540-5826.2010.00304.x
- Espin, C. A., Wayman, M. M., Deno, S. L., McMaster, K. L., & de Rooij, M. (2017). Data-based decision-making: Developing a method for capturing teachers' understanding of CBM graphs. *Learning Disabilities Research & Practice, 32*(1), 8-21. doi: 10.1111/ldrp.12123
- Field, A. (2009). *Discovering statistics using SPSS*. LA: SAGE Publications Ltd.
- Foegen, A., Espin, C. A., Allinder, R. M., & Markell, M. A. (2001). Translating research into practice: Preservice teachers' beliefs about curriculum-based measurement. *The Journal of Special Education, 34*, 226-236. doi: 10.1177/002246690103400405
- Foegen, A., Jiban, C., & Deno, S. L. (2007). Progress monitoring measures in mathematics: A review of the literature. *The Journal of Special Education, 41*(2), 121-139. doi: 10.1177/00224669070410020101
- Freedman, E. G., & Shah, P. (2002). Toward a model of knowledge-based graph comprehension. In M. Hegarty, B. Meyer, & N. Hari Narayanan (Eds.), *Diagrammatic representation and inference* (pp. 18-30). Berlin: Springer-Verlag.
- Friel, S. N., Curcio, F. R., & Bright, G. W. (2001). Making sense of graphs: Critical factors influencing comprehension and instructional implications. *Journal for Research in Mathematics Education, 32*(2), 124-158. doi: 10.2307/749671
- Fuchs, D., & Fuchs, L. S. (2006). Introduction to response to intervention: What, why, and how valid is it? *Reading Research Quarterly, 41*, 93-99. doi: 10.1598/RRQ.41.1.4
- Fuchs, D., Fuchs, L. S., & Compton, D. L. (2012). Smart RTI: A next-generation approach to multilevel prevention. *Exceptional Children, 78*(3), 263-279. doi: 10.1177/001440291207800301
- Fuchs, L. S. (1988). Effects of computer-managed instruction on teachers' implementation of systematic monitoring programs and student achievement. *Journal of Educational Research, 81*(5), 294-304.
- Fuchs, L. S., Deno, S. L., & Mirkin, P. K. (1984). The effects of frequent curriculum-based measurement and evaluation on pedagogy, student achievement, and student awareness of learning. *American Educational Research Journal, 21*, 449-460.
- Fuchs, L. S., & Fuchs, D. (1989). Enhancing curriculum-based measurement through computer applications: Review of research and practice. *School Psychology Review, 18*(3), 317-327.
- Fuchs, L. S., & Fuchs, D. (2002). Computer applications to curriculum-based measurement. *Special Services in the Schools, 17*(1-2), 1-14. doi: 10.1300/J008v17n01_01
- Fuchs, L. S., Fuchs, D., & Hamlett, C. L. (1989a). Computers and curriculum-based measurement: Effects of teacher feedback systems. *School Psychology Review, 18*(1), 112-125.
- Fuchs, L. S., Fuchs, D., & Hamlett, C. L. (1989b). Effects of alternative goal structures within curriculum-based measurement. *Exceptional Children, 55*, 429-438.
- Galesic, M., & Garcia-Retamero, R. (2011). Graph literacy: A cross-cultural comparison. *Medical Decision Making, 31*(3), 444-457. doi: 10.1177/0272989X10373805

- Gegenfurthner, A., Lehtinen, E., & Säljö, R. (2011). Expertise differences in the comprehension of visualizations: A meta-analysis of eye-tracking research in professional domain. *Educational Psychology Review*, 23, 523-552. doi: 10.1007/s10648-011-9174-7
- Gibson, S., & Dembo, M. H. (1984). Teacher efficacy: A construct validation. *Journal of Educational Psychology*, 76(4), 569-582.
- Glazer, N. (2011). Challenges with graph interpretation: A review of the literature. *Studies in Science Education*, 47(2), 183-210. doi: 10.1080/03057267.2011.605307
- Grosche, M., & Volpe, R. J. (2013) Response-to-intervention (RTI) as a model to facilitate inclusion for students with learning and behavior problems. *European Journal of Special Needs Education*, 28(3), 254-269. doi: 10.1080/08856257.2013.768452
- Holmqvist, K., Nyström, M., Andersson, R., Dewhurst, R., Jarodzka, H., & van de Weijer, J. (2011). *Eye tracking: A comprehensive guide to methods and measures*. New York, NY: Oxford University Press.
- Hosp, M. K., Hosp, J. L., & Howell, K. W. (2007). *The ABCs of CBM: A Practical Guide to Curriculum-based Measurement*. New York, NY: The Guilford Press.
- Hosp, M. K., Hosp, J. L., & Howell, K. W. (2016). *The ABCs of CBM: A Practical Guide to Curriculum-based Measurement* (2nd ed.). New York, NY: The Guilford Press.
- Jarodzka, H., Scheiter, K., Gerjets, P., & van Gog, T. (2010). In the eyes of the beholder: How experts and novices interpret dynamic stimuli. *Learning and Instruction*, 20, 146-154. doi: 10.1016/j.learninstruc.2009.02.019
- Keller, C., & Junghans, A. (2017). Does guiding toward task-relevant information help improve graph processing and graph comprehension of individuals with low or high numeracy? An eye-tracker experiment. *Medical Decision Making*, 37, 942-954. doi: 10.1177/0272989X17713437
- Kennedy, M. J., Wagner, D., Stegall, J., Lembke, E., Miciak, J., Alves, K. ... Eisner Hirsch, S. (2016). Using content acquisition podcasts to improve teacher candidate knowledge of curriculum-based measurement. *Exceptional Children*, 82(3), 303-320. doi: 10.1177/0014402915615885
- Keuning, T., van Geel, M., & Visscher, A. J. (2017). Why a data-based decision-making intervention works in some schools and not in others. *Learning Disabilities Research & Practice*, 32(1), 32-45. doi: 10.1111/ldrp.12124
- Kim, S., Lombardino, L. J., Cowles, W., & Altmann, L. J. (2014). Investigating graph comprehension in students with dyslexia: An eye tracking study. *Research in Developmental Disabilities*, 35, 1609-1622. doi: 10.1016/j.ridd.2014.03.043
- Kratochwill, T. R., Levin, J. R., Horner, R. H., & Swoboda, C. M. (2014). Visual analysis of single-case intervention research: Conceptual and methodological issues. In T.R. Kratochwill & J.R. Levin (Eds.), *Single-case intervention research: Statistical and methodological advances* (pp. 91-125). Washington, DC.: American Psychological Association.
- Landrum, T. J., Cook, B. G., Tankersley, M., & Fitzgerald, S. (2007). Teacher perceptions of the usability of intervention information from personal versus data-based sources. *Education and Treatment of Children*, 30(4), 27-42. doi: 10.1353/etc.2007.0025
- Ledoux, G., Blok, H., Boogaard, M., & Krüger, M. (2009). *Opbrengstgericht werken: Over de waarde van meetgestuurd onderwijs* [Results-oriented instruction: On the value of data-driven education]. Amsterdam, the Netherlands: SCO-Kohnstamm Instituut.
- Mandinach, E. B. (2012). A perfect time for data use: Using data-driven decision making to inform practice. *Educational Psychologist*, 47(2), 71-85. doi: 10.1080/00461520.2012.667064

- Marston, D. (1989). A curriculum-based measurement approach to assessing academic performance: What is it and why do it. In M. Shinn (Ed.), *Curriculum-based measurement: Assessing special children* (pp. 18-78). New York: Guilford.
- McMaster, K., & Espin, C. A. (2007). Technical features of curriculum-based measurement in writing: A literature review. *The Journal of Special Education*, 41(2), 68-84. doi: 10.1177/00224669070410020301
- Meijer, J., Ledoux, G., & Elshof, D. (2011). Gebruikersvriendelijke leerlingvolgsystemen in het primair onderwijs [User-friendly student monitoring systems in primary education]. Amsterdam, the Netherlands: Kohnstamm Instituut.
- Ministerie van Onderwijs, Cultuur en Wetenschap (2007). Scholen voor morgen: Samen op weg naar duurzame kwaliteit in het primair onderwijs [Schools for tomorrow: Together on the road to sustainable quality in primary education]. Den Haag, the Netherlands: Ministerie van OCW.
- Ministerie van Onderwijs, Cultuur en Wetenschap (2011). Actieplan "Basis voor presteren" [Action plan "Basis for performance"]. Den Haag, the Netherlands: Ministerie van OCW.
- Nationaal Regieorgaan Onderwijsonderzoek (2014). *Programmering Evaluatie Passend Onderwijs: Lange termijn programmering 2015-2020 [Programming Evaluation Tailor-Made Education: Long-Term Programming]*. Retrieved from: <http://www.nro.nl/wp-content/uploads/2014/09/NRO-Programmering-Evaluatie-Passend-Onderwijs-Lange-Termijn.pdf>
- Newell, K. W., & Christ, T. J. (2017). Novice interpretations of progress monitoring graphs: Extreme values and graphical aids. *Assessment for Effective Intervention*, 42(4), 224-236. doi: 10.1177/1534508417694855
- Okan, Y., Galesic, M., & Garcia-Retamero, R. (2016). How people with low and high graph literacy process health graphs: Evidence from eye-tracking. *Journal of Behavioral Decision Making*, 29, 271-294. doi: 10.1002/bdm.1891
- Osborne, J. (2002). Notes on the use of data transformations. *Practical Assessment, Research & Evaluation*, 8(6), 1-8. Retrieved from <http://PAREonline.net/getvn.asp?v=8&n=6>
- Peebles, D., & Cheng, P. C. H. (2003). Modeling the effect of task and graphical representation on response latency in a graph reading task. *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 45(1), 28-46. doi: 10.1518/hfes.45.1.28.27225
- Reschly, A. L., Busch, T. W., Betts, J., Deno, S. L., & Long, J. (2009). Curriculum-based measurement oral reading as an indicator of reading achievement: A meta-analysis of the correlational evidence. *Journal of School Psychology*, 47, 427-469. doi: 10.1016/j.jsp.2009.07.001
- Reynolds, C. R., & Livingston, R. B. (2015). *Mastering modern psychological testing. Leiden version*. (Custom edition). Upper Saddle River, NJ: Pearson.
- Rogers, D. C., Deno, S. L., & Markell, M. A. (2001). The Systematic Teaching and Recording Tactic (S.T.A.R.T.): A generic reading strategy. *Intervention in School and Clinic*, 37, 96-100. doi:10.1177/105345120103700204
- Sadoski, M., & Paivio, A. (2004). A dual coding theoretical model of reading. In R.B. Ruddell & N.J. Unrau (Eds.), *Theoretical models and processes of reading* (5th Ed., pp. 1329-1362). Newark, DE: International Reading Association.
- Schildkamp, K., & Kuiper, W. (2010). Data-informed curriculum reform: Which data, what purposes, and promoting and hindering factors. *Teaching and Teacher Education*, 26, 482-496.

- Schölvinck, M., & Jansen, L. (2014). *Basisboek RTI: Groei meten voor passend onderwijs [Guidebook RTI: Measuring growth for tailor-made education]*. Huizen, the Netherlands: Pica Publishers.
- Shah, P. (2002). Graph comprehension: The role of format, content and individual differences. In M. Anderson, B. Meyer, & P. Oliver (Eds.), *Diagrammatic Representation and Reasoning* (pp. 173-185). London, England: Springer-Verlag.
- Shah, P., & Freedman, E. G. (2009). Bar and line graph comprehension: An interaction of top-down and bottom-up processes. *Topics in Cognitive Science*, 1-19. doi: 10.1111/j.1756-8765.2009.01066.x
- Shah, P., & Hoeffner, J. (2002). Review of graph comprehension research: Implications for Instruction. *Educational Psychology Review*, 14(1), 47-69. doi: 1040-726X/02/0300-0047/0
- Shin, J., Deno, S. L., & Espin, C. A. (2000). Technical adequacy of the maze task for curriculum-based measurement of reading growth. *The Journal of Special Education*, 34(3), 164-172. doi: 10.1177/002246690003400305
- Staman, L., Visscher, A. J., Luyten, H. (2014). The effects of professional development on the attitudes, knowledge and skills for data-driven decision-making. *Studies in Educational Evaluation*, 42, 79-90. doi: 10.1016/j.stueduc.2013.11.002
- Stecker, P. M., Fuchs, L. S., & Fuchs, D. (2005). Using curriculum-based measurement to improve student achievement: Review of the research. *Psychology in the Schools*, 42(8), 795-819. doi: 10.1002/pits.20113
- Tabachnick, B. G., & Fidell, L. S. (2012). *Using Multivariate Statistics* (6th ed.). New Jersey, NJ: Pearson.
- Tobii Technology (2010). Tobii T/X series Eye Trackers: Product description. Retrieved from <https://www.tobiiipro.com/siteassets/tobii-pro/product-descriptions/tobii-pro-tx-product-description.pdf>
- Tschannen-Moran, M., & Woolfolk Hoy, A. (2001). Teacher efficacy: Capturing an elusive construct. *Teaching and Teacher Education*, 17(7), 783-805.
- van den Bosch, R. M., Espin, C. A., Chung, S., & Saab, N. (2017). Data-based decision-making: Teachers' comprehension of curriculum-based measurement progress-monitoring graphs. *Learning Disabilities Research & Practice*, 32(1), 46-60. doi: 10.1111/ldrp.12122
- van der Kleij, F. M., & Eggen, T. J. H. M. (2013). Interpretation of score reports from the computer program LOVS by teachers, internal support teachers and principals. *Studies in Educational Evaluation*, 39, 144-152. doi: 10.1016/j.stueduc.2013.04.002
- van Norman, E. R., & Christ, T. J. (2016). How accurate are interpretations of curriculum-based measurement progress monitoring data? Visual analysis versus decision rules. *Journal of School Psychology*, 58, 41-55. doi: 10.1016/j.jsp.2016.07.003
- Vaughn, S., & Fuchs, L. S. (2003). Redefining learning disabilities as inadequate response to instruction: The promise and potential problems. *Learning Disabilities Research & Practice*, 18, 137-146. doi: 10.1111/1540-5826.00070
- Vonder Embse, C. B. (1987). An eye fixation study of time factors comparing experts and novices when reading and interpreting mathematical graphs. *UMI Dissertation #8717747*, Ohio State University.
- Wagner, D. L., Hammerschmidt-Snidarich, S., Espin, C. A., Seifert, K., & McMaster, K. L. (2017). Pre-service teachers' interpretation of CBM progress monitoring data. *Learning Disabilities Research & Practice*, 32(1), 22-31. doi: 10.1111/ldrp.12125

- Wayman, M., Wallace, T., Wiley, H. I., Tichá, R., & Espin, C. A. (2007). Literature synthesis on curriculum-Based Measurement in reading. *Journal of Special Education, 41*(2), 85-120. doi: 10.1177/00224669070410020401
- Xi, X. (2005). Do visual chunks and planning impact performance on the graph description task in the SPEAK exam? *Language Testing, 22*(4), 463-508. doi: 10.1191/0265532205lt305oa
- Xi, X. (2010). Aspects of performance on line graph description tasks: Influenced by graph familiarity and different task features. *Language Testing, 27*(1), 73-100. doi: 10.1177/0265532209346454
- Zeuch, N., Förster, N., Souvignier, E. (2017). Assessing teachers' competencies to read and interpret graphs from learning progress assessment: Results from tests and interviews. *Learning Disabilities Research & Practice, 32*(1), 61-70. doi: 10.1111/ldrp.12126
- Zigmond, N. (1997). Educating students with disabilities: The future of special education. In J.W. Lloyd, E.J. Kamenuei, & D. Chard (Eds.), *Issues in educating students with disabilities* (pp. 377-390). Hillsdale, NJ: Erlbaum Associates.
- Zigmond, N. (2003). Where should students with disabilities receive special education service? Is one place better than another? *The Journal of Special Education, 37*(3), 193-199. doi: 10.1177/00224669030370030901

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CURRICULUM VITAE

Roxette M. van den Bosch was born on January 19, 1990 in Nootdorp, the Netherlands. In 2008, she completed her secondary education (VWO) at the Erasmus College in Zoetermeer. In that same year, Roxette started with the study Education and Child Studies (Pedagogische Wetenschappen) at Leiden University, specializing in Learning Problems and Impairments. She obtained her bachelor's degree in 2011 and her master's degree in 2013. During her bachelor Roxette completed the minor Language, Cognition, and Communication at Utrecht University and during her research master she completed a clinical internship at the Ambulatorium of Leiden University, where she worked with children with learning difficulties. In October 2013, Roxette started her PhD project under supervision of Prof. dr. Christine Espin and Dr. Nadira Saab at Leiden University, at the department of Education and Child Studies. Her PhD project focused on teachers' comprehension of student progress graphs. In addition to completing her PhD project, Roxette was involved in thesis supervision, internship supervision, and teaching both bachelor and master students. In September 2018, Roxette started working as a researcher at the Koninklijke Auris Groep.

LIST OF PUBLICATIONS

- Espin, C. A., **van den Bosch, R. M.**, & Sikkema-de Jong, T. M. (2016). Behandeling van onderwijsleerproblemen: Interventies en voortgangsmonitoring [Remediation of learning disabilities: Interventions and progress monitoring]. In M. H. van IJzendoorn & L. van Rosmalen (Eds.), *Pedagogiek in beeld. Een inleiding in de pedagogische studie van opvoeding, onderwijs en hulpverlening* (pp. 327-338). Houten, The Netherlands: Bohn Stafleu van Loghum.
- van den Bosch, R. M.**, Espin, C. A., Chung, S., & Saab, N. (2017). Data-based decision-making: Teachers' comprehension of curriculum-based measurement progress-monitoring graphs, *Learning Disabilities Research & Practice*, 32(1), 46-60. doi: 10.1111/ldrp.12122
- van den Bosch, R. M.**, Espin, C. A., Pat-El, R. J., & Saab, N. (2018). *Improving teachers' comprehension of curriculum-based measurement progress-monitoring graphs*. Manuscript submitted for publication.
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