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Dynamic testing and excellence: unfolding potential

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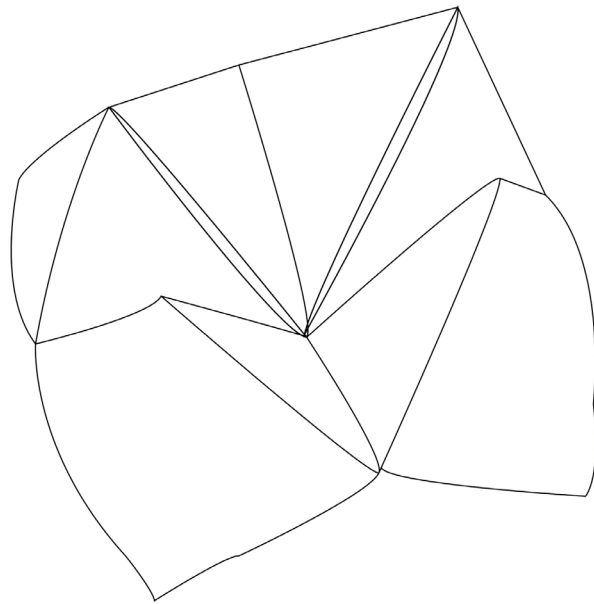
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REFERENCES



A

- Agresti, A. (2010). *Analysis of ordinal categorical data*. Hoboken, NJ: John Wiley & Sons.
- Alexander, K. L., Entwisle, D. R., & Olson, L. S. (2001). Schools, achievement, and *inequality*: A seasonal perspective. *Educational Evaluation and Policy Analysis, 23*, 171–191.
- Alexander, P. A., & Murphy, P. K. (1999). Nurturing the seeds of transfer: A domain specific perspective. *International Journal of Educational Research, 31*, 561–576.
- Alexander, P. A., White, C. S., Fuqua, J. D., Clark, G. D., Wilson, A. F., & Kulikowich, J. M. (1989). Development of analogical reasoning in 4- and 5-year-old children. *Cognitive Development, 4*, 65-88.
- Ardila, A., Pineda, D., & Rosselli, M. (2000). Correlation between intelligence test scores and executive function measures. *Archives of Clinical Neuropsychology, 150*, 31–36.
- Arffa, S. (2007). The relationship of intelligence to executive function and non-executive function measures in a sample of average, above average, and gifted youth. *Archives of Clinical Neuropsychology, 22*, 969-978.
- Azevedo, R., & Hadwin, A. F. (2005). Scaffolding self-regulated learning and metacognition: Implications for the design of computer-based scaffolds. *Instructional Science, 33*, 367-379.

B

- Baddeley, A. (2012). Working memory: Theories, models, and controversies. *Annual Review of Psychology, 63*, 1–29.
- Balboni, G., Naglieri, J. A., & Cubelli, R. (2010). Concurrent and predictive validity of the Progressive Matrices and the Naglieri Nonverbal Ability Test. *Journal of Psychoeducational Assessment, 28*, 222–235.
- Barnett, S. M., & Ceci, S. J. (2002). When and where do we apply what we learn? A taxonomy for far transfer. *Psychological Bulletin, 128*, 612–637.
- Bates, D., Mächler, M., Bolker, B. M., & Walker, S. C. (2015). Fitting linear mixed-effects models using lme4. *Journal of Statistical Software, 67*, 1-48.
- Beckmann, N., Beckmann, J. F., & Elliott, J. G. (2009). Self-confidence and performance goal orientation interactively predict performance in a reasoning test with accuracy feedback. *Learning and Individual Differences, 19*, 277-282.
- Bethge, H., Carlson, J. S., & Wiedl, K. H. (1982). The effects of dynamic testing procedures on Raven Matrices performance, visual search behaviour, test anxiety and test orientation. *Intelligence, 6*, 89-97.
- Blair, C., & Diamond, A. (2008). Biological processes in prevention and intervention: The promotion of self-regulation as a means of preventing school failure. *Development and*

Psychopathology, 20, 899-911.

- Boling, E., & Day, J. D. (1993). Dynamic assessment and giftedness: The promise of assessing training responsiveness. *Roeper Review*, 16, 110-113.
- Boosman, H., Visser-Meily, J. M. A., Ownsworth, T., Winkens, I., & Van Heugten, C. M. (2014). Validity of the Dynamic Wisconsin Card Sorting Test for assessing learning potential in brain injury rehabilitation. *Journal of the International Neuropsychological Society*, 20, 1034-1044.
- Bosma, T., & Resing, W. C. M. (2006). Dynamic assessment and a reversal task: A contribution to needs-based assessment. *Educational and Child Psychology*, 23, 81-98.
- Bosma, T., & Resing, W. C. M. (2012). Need for instruction: Dynamic testing in special education. *European Journal of Special Needs Education*, 27, 1-19.
- Bransford, J. D., Brown, A. L., & Cocking, R. R. (2001). *How people learn: Brain, mind, experience, and school*. Washington, DC: National Academy Press.
- Budoff, M. (1987). Measures for assessing learning potential. In C. S. Lidz (Ed.), *Dynamic assessment: An interactional approach to evaluating learning potential* (pp. 173-195). New York, NY: Guilford Press.

C

- Calero, M. D., García-Martín, M. B., Jiménez, M. I., Kazén, M., & Araque, A. (2007). Self-regulation advantage for high-IQ children: Findings from a research study. *Learning and Individual Differences*, 17, 328-343.
- Calero, M. D., García-Martín, M. B., & Robles, M. A. (2011). Learning potential in high IQ children: The contribution of dynamic assessment to the identification of gifted children. *Learning and Individual Differences*, 21, 176-181.
- Calero, M. D., Mata, S., Carles, R., Vives, C., López-Rubio, S., Fernández-Parra, A., & Navarro, E. (2013). Learning potential assessment and adaptation to the educational context: The usefulness of the ACFS for assessing immigrant preschool children. *Psychology in the Schools*, 50, 705-721.
- Calkins, S. D., & Marcovitch, S. (2010). Emotion regulation and executive functioning in early development: Integrated mechanisms of control supporting adaptive functioning. In S. D. Calkins & M. A. Bell (Eds.), *Child development: At the intersection of emotion and cognition* (pp. 37-58). Washington, DC: APA Press.
- Campione, J. C., & Brown, A. L. (1987). Linking dynamic assessment with school achievement. In C. S. Lidz (Ed.) *Dynamic assessment: An interactional approach to evaluating learning potential* (pp. 82-109). New York, NY: Guilford Press.
- Campione, J. C., Brown, A. L., & Ferrara, R. A. (1982). Mental retardation and intelligence. In R. J. Sternberg (Ed.) *Handbook of human intelligence* (pp. 392-490). Cambridge, United

- Kingdom: Cambridge University Press.
- Campione, J. C., Brown, A. L., Ferrara, R. A., Jones, R. S., & Steinberg, E. (1985). Breakdowns in flexible use of information: Intelligence-related differences in transfer following equivalent learning performance. *Intelligence, 9*, 297–315.
- Caropreso, E. J., & White, C. S. (1994). Analogical reasoning and giftedness: A comparison between identified gifted and nonidentified children. *Journal of Educational Research, 87*, 271-279.
- Carr, M., Alexander, J. M., & Schwanenflugel, P. J. (1996). Where gifted children do and do not excel on metacognitive tasks. *Roeper Review, 16*, 198–204.
- Cassady, J. C., & Johnson, R. E. (2002). Cognitive test anxiety and academic performance. *Contemporary Educational Psychology, 27*, 270-295.
- Chi, M. T. H., Glaser, R., & Rees, E. (1982). Expertise in problem solving. In R. J. Sternberg (Ed.), *Advances in the psychology of human intelligence* (pp. 1–75). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Chi, M. T. H., & VanLehn, K. A. (2012). Seeing deep structure from the interactions of surface features. *Educational Psychologist, 47*, 177–188.
- Clerc, J., Miller, P. H., & Cosnefroy, L. (2014). Young children's transfer of strategies: Utilization deficiencies, executive function, and metacognition *Developmental Review, 34*, 378–393.
- Compton, D. L., Fuchs, L. S., Fuchs, D., Lambert, W., & Hamlett, C. (2012). The cognitive and academic profiles of reading and mathematics learning disabilities. *Journal of Learning Disabilities, 45*, 79-95.
- Csapó, B. (1997). Development of inductive reasoning: Cross-sectional measurements in an educational context. *International Journal of Behavioural Development, 20*, 609–626.
- D**
- Dai, D. Y., & Chen, F. (2013). Three paradigms of gifted education: In search of conceptual clarity in research and practice. *Gifted Child Quarterly, 57*, 151-168.
- Dai, D. Y., Swanson, J. A., & Cheng, H. (2011). State of research on giftedness and gifted education: A survey of empirical studies published during 1998 – 2010 (April). *Gifted Child Quarterly, 55*, 126-138.
- Davey, G. C. L. (1994). Worrying, social problem-solving abilities, and problem-solving confidence. *Behaviour Research and Therapy, 32*, 327-330.
- Davis, H. B., & Connell, J. P. (1985). The effect of aptitude and achievement status on the self-system. *Gifted Child Quarterly, 29*, 131-136.
- Day, S. B., & Goldstone, R. L. (2012). The import of knowledge export: Connecting findings and theories of transfer of learning. *Educational Psychologist, 47*, 153–176.

- Deák, G. O. (2004). The development of cognitive flexibility and language abilities. In R. V. Kail (Ed.), *Advances in Child Development and Behavior Volume 31* (pp. 271–327). Amsterdam/New York/Oxford: Elsevier.
- De Boer, C., Minnaert, A. E. M. G., & Kamphof, G. (2013). Gifted education in The Netherlands. *Journal for the Education of the Gifted*, *36*, 133-150.
- Diamond, A. (2013). Executive functions. *Annual Review of Psychology*, *64*, 135–168.

E

- Elliott, J. G. (2003). Dynamic assessment in educational settings: Realising potential. *Educational Review*, *55*, 15-32.
- Elliott, J. G., Grigorenko, E. L., & Resing, W. C. M. (2010). Dynamic assessment: The need for a dynamic approach. In P. Peterson, E. Baker, & B. McGaw (Eds.), *The international encyclopedia of education* (3rd ed., pp. 220–225). Oxford, United Kingdom: Elsevier.
- Elliott, J. G., Lidz, C. S., & Shaughnessy, M. F. (2004). An interview with Joe Elliott and Carol Lidz. *North American Journal of Psychology*, *6*, 349-360.
- Engle, R. A. (2012). The resurgence of research into transfer: An introduction to the final articles of the transfer strand. *Journal of the Learning Sciences*, *21*, 347–352.
- Everson, H. T., Millsap, R. E., & Rodriguez, C. M. (1991). Isolating gender differences in test anxiety: A confirmatory factor analysis of the test anxiety inventory. *Educational and Psychology Measurement*, *51*, 243-251.

F

- Fabio, R. A. (2005). Dynamic assessment of intelligence is a better reply to adaptive behavior and cognitive plasticity. *Journal of General Psychology*, *132*, 41-64.
- Fallon, T., & Schwab-Stone, M. (1994). Determinants of reliability in psychiatric surveys of children aged 6-12. *Journal of Child Psychology and Psychiatry*, *35*, 1391-1408.
- Ferrara, R. A., Brown, A. L., & Campione, J. C. (1986). Children's learning and transfer of inductive reasoning rules: Studies of proximal development. *Child Development*, *57*, 1087-1099.
- Fletcher, J. M., Stuebing, K. K., Barth, A. E., Denton, C. A., Cirino, P. T., Francis, D. J., & Vaughn, S. (2011). Cognitive correlates of inadequate response to reading intervention. *School Psychology Review*, *40*, 3-22.
- Forbus, K. D., Gentner, D., & Law, K. (1995). MAC/FAC: A model of similarity-based retrieval. *Cognitive Science*, *19*, 141–205.
- Fox, C. J., Mueller S. T., Gray, H. M., Raber, J., & Piper, B. J. (2013). Evaluation of a short-form of the Berg Card Sorting Test. *PLoS ONE*, *8*(5): e63885.

Frasier, M. M., & Passow, A. H. (1994). *Toward a new paradigm for identifying talent potential*. Storrs, CT: University of Connecticut. The National Research Center on the Gifted and Talented, Research Monograph 94112.

G

Galla, B. M., Plummer, B. D., White, R. E., Meketon, D., D'Mello, S. K., & Duckworth, A. L. (2014). The Academic Diligence Task (ADT): assessing individual differences in effort on tedious but important schoolwork. *Contemporary Educational Psychology, 39*, 314–325.

Gathercole, S. E., Pickering, S. J., Ambridge, B., & Wearing, H. (2004). The structure of working memory from 4 to 15 years of age. *Developmental Psychology, 40*, 177-190.

Geake, J. G. (2008). High abilities at fluid analogizing: A cognitive neuroscience construct of giftedness, *Roeper Review, 30*, 187-195.

Gentner, D., Holyoak, K. J., & Kokinov, B. N. (Eds.). (2001). *The analogical mind*. Cambridge, MA: MIT Press.

Gentner, D., Loewenstein, J., & Hung, B. (2007). Comparison facilitates children's learning of names for parts. *Journal of Cognition and Development, 8*, 285-307.

Gick, M. L., & Holyoak, K. J. (1983). Schema induction and analogical transfer. *Cognitive Psychology, 15*, 1–38.

Goswami, U. C. (2012). Analogical reasoning by young children. In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning* (pp. 225-228). New York, NY: Springer.

Granott, N. & Parziale, J. (2002). Microdevelopment: A process-oriented perspective for studying development and learning. In N. Granott & J. Parziale (Eds.), *Microdevelopment: Transition processes in development and learning* (pp. 1-28). Cambridge, United Kingdom: Cambridge University Press.

Grant, D. A., & Berg, E. A. (1948). A behavioral analysis of degree of reinforcement and ease of shifting to new responses in a Weigl-type card sorting problem. *Journal of Experimental Psychology, 34*, 404-411.

Grigorenko, E. L. (2009). Dynamic assessment and response to intervention: Two sides of one coin. *Journal of Learning Disabilities, 42*, 111–132.

Grigorenko, E. L., & Sternberg, R. J. (1998). *Dynamic testing*. *Psychological Bulletin, 124*, 75-111.

Gubbels, J., Segers, E., & Verhoeven, L. (2014). Cognitive, socioemotional, and attitudinal effects of a triarchic enrichment program for gifted children. *Journal for the Education of the Gifted, 37*, 378–397.

H

Hancock, D. R. (2001). Effects of test anxiety and evaluative threat on students' achievement

- and motivation. *Journal of Educational Research*, *94*, 284-290.
- Harpaz-Itay, Y., Kaniel, S., & Ben-Amram, E. (2006). Analogy construction versus analogy solution, and their influence on transfer. *Learning and Instruction*, *16*, 583-591.
- Haynie, M., & Shepherd, D. A. (2009). A measure of adaptive cognition for entrepreneurship research. *Entrepreneurship: Theory and Practice*, *33*, 695-714.
- Haywood, H. C., & Lidz, C. S. (2007). *Dynamic assessment in practice: Clinical and educational applications*. New York, NY: Cambridge University Press.
- Heller, K. A. (1999). Individual (learning and motivational) needs versus instructional conditions of gifted education. *High Ability Studies*, *10*, 9-21.
- Holyoak, K. J. (1984). Analogical thinking and human intelligence. In R. J. Sternberg (Ed.), *Advances in the psychology of human intelligence, Vol. 2* (pp. 199-230). Hillsdale, N.J.: Erlbaum.
- Hoogeveen, L., Van Hell, J. G., & Verhoeven, L. (2011). Social-emotional characteristics of gifted accelerated and non-accelerated students in the Netherlands. *British Journal of Educational Psychology*, *82*, 585-605.
- Hopko, D., Crittendon, J., Grant, E., & Wilson, S. (2005). The impact of anxiety on performance IQ. *Anxiety, Stress & Coping*, *18*, 17-35.
- Hosenfeld, B., Van den Boom, D. C., & Resing, W. C. M. (1997). New instrument: Constructing geometric analogies for the longitudinal testing of elementary children. *Journal of Educational Measurement*, *34*, 367-372.
- Hosenfeld, B., Van der Maas, H. L. J., & Van den Boom, D. C. (1997). Indicators of discontinuous change in the development of analogical reasoning. *Journal of Experimental Child Psychology*, *64*, 367-395.
- Hox, J. J. (2002). *Multilevel analysis: Techniques and applications*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Hox, J. J. (2010). *Multilevel analysis: Techniques and applications*. Second edition. New York, NY: Routledge.
- Huizinga, M., Dolan, C. V., & Van der Molen, M. W. (2006). Age-related change in executive function: Developmental trends and a latent variable analysis. *Neuropsychologia*, *44*, 2017-2036.

I

- Isquith, P. K., Crawford, J. S., Andrews Espy, K. A., & Gioia, G. A. (2005). Assessment of executive function in preschool-aged children. *Journal of Mental Retardation and Developmental Disabilities Research Reviews*, *11*, 209-215.

J

- Jeltova, I., Birney, D., Fredine, N., Jarvin, L., Sternberg, R. J., & Grigorenko E. L. (2007). Dynamic assessment as a process-oriented assessment in educational settings. *Advances in Speech-Language Pathology, 9*, 273-285.
- Jeltova, I., Birney, D., Fredine, N., Jarvin, L., Sternberg, R. J., & Grigorenko E. L. (2011). Making instruction and assessment responsive to diverse students' progress: Group-administered dynamic assessment in teaching mathematics. *Journal of Learning Disabilities, 44*, 381-395.
- Jensen, A. R. (1998). *The g factor: The science of mental ability*. Westport, CT: Praeger.

K

- Kanevsky, L. S. (1990). Pursuing qualitative differences in the flexible use of problem-solving strategy by young children. *Journal for the Education of the Gifted, 13*, 115-140.
- Kanevsky, L. S. (1992). The learning game. In P. Klein & A. J. Tannenbaum (Eds.), *To be young and gifted* (pp. 204-241). Norwood, NJ: Ablex.
- Kanevsky, L. S. (1994). Exploring the implications of dynamic and static assessments for gifted education. *Exceptionality Education Canada, 4*, 77-98.
- Kanevsky, L. S. (1995) Learning potentials of gifted students. *Roeper Review, 17*, 157-163.
- Kanevsky, L. S. (2000). Dynamic assessment of gifted students. In K. A. Heller, F. J. Mönks, R. J. Sternberg, & R. F. Subotnik (Eds.), *International handbook of giftedness and talent* (2nd ed., pp. 283-296). Oxford, United Kingdom: Pergamon.
- Kanevsky, L. S., & Geake, J. (2004). Inside the zone of proximal development: Validating a multifactor model of learning potential with gifted students and their peers. *Journal for the Education of the Gifted, 28*, 182-217.
- Kirkham, N. Z., Cruess, L., & Diamond, A. (2003). Helping children apply their knowledge to their behavior on a dimension-switching task. *Developmental Science, 6*, 449-467.
- Klahr, D., & Chen, Z. (2011). Finding one's place in transfer space. *Child Development Perspectives, 5*, 196-204.
- Klauer, K. J., & Phye, G. D. (2008). Inductive reasoning. A training approach. *Review of Educational Research, 78*, 85-123.
- Klavir, R., & Gorodetsky, M. (2001). The processing of analogous problems in the verbal and visual-humorous (cartoons) modalities by gifted/average children. *Gifted Child Quarterly, 45*, 205-215.
- Kline, R. B. (2001). Brief cognitive assessment in children: Review of instruments and recommendations for best practice. In J. J. W. Andrews, D. H. Soklofske, & H. L. Janzen (Eds.). *Handbook of psychoeducational assessment: Ability, achievement, and*

- behavior in children (pp. 105-132). San Diego, CA: Academic Press.
- Kohnstamm, G. A. (2014). *Jean Piaget: Children and the inclusion problem*. New Jersey, NJ: Transactions.
- Kornilov, S., Tan, M., Elliott, J. G., Sternberg, R. J. & Grigorenko, E. L. (2012). Gifted identification with Aurora: Widening the spotlight. *Journal of Psychoeducational Assessment, 30*, 117-133.
- Kornmann, J., Zettler, I., Kammerer, Y., Gerjets, P., & Trautwein, U. (2015). What characterizes children nominated as gifted by teachers? A closer consideration of working memory and intelligence. *High Ability Studies, 26*, 75-92.
- Kreft, I., & De Leeuw, J. (2007). *Introducing Multilevel Modeling*. London, United Kingdom: Sage Publications.
- Kuhn, D. (2000). Metacognitive development. *Current Directions in Psychological Science, 9*, 178-181.
- Kuijpers, R. C. W. M., Otten, R., Vermulst, A. A., & Engels, R. C. M. E. (2014). Reliability and construct validity of a child self-report instrument: The Dominic Interactive. *European Journal of Psychological Assessment, 30*, 40-47.
- Kulesza, E. M. (2015). Searching nearest potential of children with intellectual disability – Dynamic assessment. *Practice and Theory in Systems of Education, 10*, 301-309.
- Kyllonen, P. C., Lohman, D. F., & Snow, R. E. (1984). Effects of aptitudes, strategy training, and task facets on spatial task performance. *Journal of Educational Psychology, 76*, 130-145.

L

- Leech, R., Mareschal, D., & Cooper, R. P. (2008). Analogy as relational priming: A developmental and computational perspective on the origins of a complex cognitive skill. *Behavioral and Brain Sciences, 31*, 357-414.
- Lidz, C. S., & Elliott, J. G. (Eds.). (2000). *Dynamic assessment: Prevailing models and applications*. Amsterdam, The Netherlands: JAI/Elsevier Science.
- Lidz, C.S. & Elliott, J. (2006). Use of dynamic assessment with gifted students. *Gifted Education International, 21*, 151-161.
- Lidz, C. S., & Macrine, S. L. (2001). An alternative approach to the identification of gifted culturally and linguistically diverse learners. *School Psychology International, 22*, 74-96.
- Lohman, D. F., & Gambrell, J. L. (2012). Using nonverbal tests to help identify academically talented children. *Journal of Psychoeducational Assessment, 30*, 25-44.

M

- Matthews, D. J., & Foster, J. F. (2005). A dynamic scaffolding model of teacher development: The gifted education consultant as catalyst for change. *The Gifted Child Quarterly*, *49*, 222-233.
- McClain, M. C., & Pfeiffer, S. (2012). Identification of gifted students in the United States today: A look at state definitions, policies, and practices. *Journal of Applied School Psychology*, *28*, 59-88.
- McDonald, A. S. (2001). The prevalence and effects of test anxiety in school children. *National Foundation for Educational Research*, *21*, 89-101.
- Meijer, J. (1996). *Learning potential and fear of failure*. Doctoral thesis, University of Amsterdam.
- Meijer, J. (2001). Learning potential and anxious tendency: test anxiety as a bias factor in educational testing. *Anxiety, Stress and Coping*, *14*, 337-362.
- Mestre, J. P. (Ed.) (2005). *Transfer of learning from a modern multidisciplinary perspective*. Greenwich, CT: Information Age.
- Ministerie van Economische Zaken [Dutch Ministry of Economic Affairs] (2013). *Uitwerking Regeerakkoord voor versterking kenniseconomie* [implementation of the governmental agreement regarding the strengthening of the knowledge-driven economy]. Retrieved from www.rijksoverheid.nl
- Miyake, A., & Friedman, N. P. (2012). The nature and organization of individual differences in executive functions: Four general conclusions. *Current Directions in Psychological Science*, *21*, 8-14.
- Miyake, A., Friedman, N. P., Emerson, M. J., Witzki, A. H., & Howerter, A. (2000). The unity and diversity of executive functions and their contributions to complex frontal lobe tasks: A latent variables analysis. *Cognitive Psychology*, *41*, 49-100.
- Molnár, G., Greiff, S., & Csapó, B. (2013). Inductive reasoning, domain specific and complex problem solving: Relations and development. *Thinking Skills and Creativity*, *9*, 35-45.
- Moncarz, H. (2011). *The relationship between playing games and metacognitive awareness*. Doctoral dissertation, George Mason University, Fairfax, Virginia.
- Monette, S., Bigras, M., & Guay, M.-C. (2011). The role of the executive functions in school achievement at the end of Grade 1. *Journal of Experimental Child Psychology*, *109*, 158-173.
- Morris, L. W., & Liebert, R. M. (1969). Effects of anxiety on timed and untimed intelligence tests: Another look. *Journal of Consulting and Clinical Psychology*, *33*, 240-244.
- Moses, L. J., & Baird, J. A. (1999). Metacognition. In R. Wilson (Ed.), *Encyclopedia of cognitive neuroscience*. Cambridge, MA: MIT Press.
- Mulholland, T. M., Pellegrino, J. W., & Glaser, R. (1980). Components of geometric analogy solution. *Cognitive Psychology*, *12*, 252-284.

N

- National Association for Gifted Children (2010). *Redefining giftedness for a new century: Shifting the paradigm*. Retrieved from www.nagc.org
- Nicpon, M. F., & Pfeiffer, S. I. (2011). High-ability students: New ways to conceptualize giftedness and provide psychological services in the schools. *Journal of Applied School Psychology, 27*, 293–305.
- Nisbett, R. E. (2009). *Intelligence and how we get it: Why schools and cultures count*. New York, NY: Norton.
- Nokes-Malach, T. J., & Mestre, J. P. (2013). Toward a model of transfer as sense-making. *Educational Psychologist, 48*, 184–207.

O

- Olszewski-Kubilius, P., & Thomson, D. (2015). Talent development as a framework for gifted education. *Gifted Child Today, 38*, 49–59.
- Ozkan, O., & Dogan, F. (2013). Cognitive strategies of analogical reasoning in design: Differences between expert and novice designers. *Design Studies, 34*, 161–192.

P

- Passow, A. H., & Frasier, M. M. (1996). Toward improving identification of talent potential among minority and disadvantaged students. *Roeper Review, 18*, 198–202.
- Pellegrino, J. W., & Glaser, R. (1982). Analyzing aptitudes for learning: Inductive reasoning. In R. Glaser (Ed.) *Advances in instructional psychology* (pp. 269–345). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Peña, E. D. (2000). Measurement of modifiability in children from culturally and linguistically diverse backgrounds. *Communication Disorders Quarterly, 21*, 87–97.
- Persson, R. S. (2010). Experiences of intellectually gifted students in an egalitarian and inclusive educational system: A survey study. *Journal for the Education of the Gifted, 33*, 536–569.
- Pfeiffer, S. I. (2011). Current perspectives on the identification and assessment of gifted students. *Journal of Psychoeducational Assessment, 30*, 3–9.
- Pierson, E. E., Kilmer, L. M., Rothlisberg, B. A., & McIntosh, D. E. (2012). Use of brief intelligence tests in the identification of giftedness. *Journal of Psychoeducational Assessment, 30*, 10–24.
- Piper, B. J., Li, V., Eiwaz, M. A., Kobel, Y. V., Benice, T. S., Chu, A. M., Olsen, R. H. J., Rice, D. Z., Gray, H. M., & Mueller, S. T. (2011). Executive function on the Psychology Experiment Building Language tests. *Behavior Research Methods, 44*, 110–123.

Podsakoff, P. M., MacKenzie, S. B., Lee, J.-Y., & Podsakoff, N. P. (2003). Common method biases in behavioral research: A critical review of the literature and recommended remedies. *Journal of Applied Psychology, 88*, 879–903.

R

R Development Core Team. (2014). *R: A Language and Environment for Statistical Computing (Version 3.12)* [Software]. Vienna, Austria: R Foundation for Statistical Computing
Retrieved from <http://www.R-project.org>

Raven, J. (1981). *Manual for Raven's Progressive Matrices and Vocabulary Scales*. Oxford, United Kingdom: Oxford Psychologists Press.

Reis, S. M., & McCoach, D. B. (2000). The underachievement of gifted students: What do we know and where do we go? *Gifted child quarterly, 44*, 152-170.

Reis, S. M., & Renzulli, J. S. (2010). Is there still a need for gifted education? An examination of current research. *Learning and Individual Differences, 20*, 308–317.

Renzulli, J. S. (1978). What makes giftedness? Reexamining a definition. *Phi Delta Kappan, 60*, 180–184, 261.

Renzulli, J. S. (2002). Emerging conceptions of giftedness: Building a bridge to the new century. *Exceptionality, 10*, 67–75.

Renzulli, J. S. (2005). The three-ring definition of giftedness: A developmental model for promoting creative productivity. In R. J. Sternberg & J. E. Davidson (Eds.), *Conceptions of giftedness* (pp. 246–280). New York, NY: Cambridge University Press.

Renzulli, J. S., & D'Souza, S. (2014). Intelligences outside the normal curve: Co-cognitive factors that contribute to the creation of social capital and leadership skills in young people. In J. A. Plucker & C. M. Callahan (Eds.), *Critical issues and practices in gifted education: What the research says* (pp. 343–362). Waco, TX: Prufrock Press.

Renzulli, J. S., Smith, L. H., White, A. J., Callahan, C. M., Hartman, R. K., & Westberg, K. L. (1997). *Scales for rating the behavioral characteristics of superior students*. Mansfield Center, CT: Creative Learning Press.

Renzulli, J. S., & Sytsma, R. E. (2008). Intelligences outside the normal curve: Co-cognitive traits that contribute to giftedness. In J. A. Plucker & C. M. Callahan (Eds.), *Critical issues and practices in gifted education: What the research says* (pp. 57–84). Waco, TX: Prufrock Press.

Resing, W. C. M. (1997). Learning potential assessment: The alternative for measuring intelligence? *Educational and Child Psychology, 14*, 68–82.

Resing, W. C. M. (2000). Assessing the learning potential for inductive reasoning in young children. In C. S. Lidz, & J. G. Elliott (Eds.), *Dynamic assessment: Prevailing models and applications* (pp. 229–262). Oxford, United Kingdom: Elsevier.

- Resing, W. C. M. (2013). Dynamic testing and individualized instruction: Helpful in cognitive education? *Journal of Cognitive Education and Psychology, 12*, 81-95.
- Resing, W. C. M., Bakker, M., Pronk, C. M. E., & Elliott, J. G. (2016). Dynamic testing and transfer: An examination of children's problem-solving strategies. *Learning and Individual Differences, 49*, 110-119.
- Resing, W. C. M., & Elliott, J. G. (2011). Dynamic testing with tangible electronics: Measuring children's change in strategy use with a series completion task. *British Journal of Educational Psychology, 81*, 579-605.
- Resing, W. C. M., Touw, K. W. J., Veerbeek, J., & Elliott, J. G. (2016). Progress in the inductive strategy-use of children from different ethnic backgrounds: a study employing dynamic testing. *Educational Psychology, 36*, 1-19.
- Resing, W. C. M., Tunteler, E., de Jong, F. M., & Bosma T. (2009). Dynamic testing in indigenous and ethnic minority children. *Learning and Individual Differences, 19*, 445-450.
- Resing, W. C. M., Tunteler, E., & Elliott, J. G. (2015). The effect of dynamic testing with electronic prompts and scaffolds on children's inductive reasoning: A microgenetic study. *Journal of Cognitive Education and Psychology, 14*, 231-251.
- Resing, W. C. M., Xenidou-Dervou, I., Steijn, W. M.P., & Elliott, J.G. (2012). A "picture" of children's potential for learning: Looking into strategy changes and working memory by dynamic testing. *Learning and Individual Differences, 22*, 144-150.
- Richland, L. E. & Burchinal, M. R. (2012). Early executive function predicts reasoning development. *Psychological Science, 24*, 87-9.
- Richland, L. E., Morrison, R. G., & Holyoak, K. J. (2006). Children's development of analogical reasoning: Insights from scene analogy problems. *Journal of Experimental Child Psychology, 94*, 249-273.
- Risemberg, R. & Zimmerman, B. J. (1992). Self-regulated learning in gifted students. *Roeper Review, 15*, 98-101.
- Robinson, A., & Olly, J. L. (2014). *A century of contributions to gifted education: Illuminating lives*. New York, NY: Routledge.
- Robinson-Zañartu, C., & Carlson, J. (2013). Dynamic assessment. In K. F. Geisinger (Ed.), *APA Handbook of testing and assessment in psychology, Vol. 3*. (pp. 149-167). Washington, DC: American Psychological Association.
- Roebbers, C. M., Cimeli, P., Röthlisberger, M., & Neuenschwander, R. (2012). Executive functioning, metacognition, and self-perceived competence in elementary school children: an explorative study on their interrelations and their role for school achievement. *Metacognition and Learning, 2*, 151-173.
- Roth, B., Becker, N., Romeyke, S., Schäfer, S., Domnick, F., & Spinath, F. M. (2015). Intelligence and school grades: A meta-analysis. *Intelligence, 53*, 118-137.
- Roth-van der Werf, T. G. M., Resing, W. C. M., & Slenders, A. P. A. C. (2002). Task similarity and

transfer of an inductive reasoning training. *Contemporary Educational Psychology*, 27, 296–325.

Ryan, T. G., & Coneybeare, S. (2013). The underachievement of gifted students: A synopsis. *Journal of the International Association of Special Education*, 14, 58-66.

S

Sadeh, S. S., Burns, M. K., & Sullivan, A. L. (2012). Examining an executive function rating scale as a predictor of achievement in children at risk for behavior problems. *School Psychology Quarterly*, 27, 236–246.

Schiever, S. W., & Maker, C. J. (2003). *New directions in enrichment and acceleration*. In N. Colangelo & G. A. Davis (Eds.), *Handbook of gifted education* (pp. 163-173). Boston, MA: Allyn & Bacon.

Schneider, W. (2010). *Metacognition and memory development in childhood and adolescence*. In H. W. Waters, & W. Schneider (Eds.), *Metacognition, strategy use and instruction* (pp. 54–81). New York, NY: Guilford Press.

Scruggs, T. E., & Mastropieri, M. A. (1988). Acquisition and transfer of learning strategies by gifted and nongifted students. *Journal of Special Education*, 22, 153- 166.

Segool, K. N., Carlson, J. S., Goforth, N. A., Von der Embse, N., Barterian, J. A. (2013). Heightened test anxiety among young children: elementary school students' anxious responses to high-stakes testing. *Psychology in the Schools*, 50, 489-499.

Serpell, R. (2000). Intelligence and culture. In R. J. Sternberg (Ed.), *Handbook of intelligence* (pp. 549–580). New York, NY: Cambridge University Press.

Shore, B. M. (2000). Metacognition and flexibility: Qualitative differences in how gifted children think. In R. C. Friedman, & B. M. Shore (Eds.), *Talents Unfolding: Cognition and Development* (pp.167-187). Washington, DC: American Psychological Association.

Siegler, R. S. (1996). *Emerging minds: The process of change in children's thinking*. New York, NY: Oxford University Press.

Siegler, R. S. (2006). Microgenetic analysis of learning. In W. Damon, R. M. Lerner, D. Kuhn, & R. S. Siegler (Eds.), *Handbook of child psychology: Cognition, perception, and language*, Vol. 2 (6th ed., pp. 464–510). Hoboken, N.J: Wiley.

Siegler, R. S., & Crowley, K. (1991). *The microgenetic method: A direct means for studying cognitive development*. *American Psychologist*, 46, 606-620.

Siegler, R. S., & Svetina, M. (2002). A microgenetic/cross-sectional study of matrix completion: Comparing short-term and long-term change. *Child Development*, 73, 793–809.

Singer, J. D., & Willett, J. B. (2003). *Applied longitudinal data analysis: Modeling change and event occurrence*. New York, NY: Oxford University Press.

Smidts, D. P., & Huizinga, M. (2009). *BRIEF Executieve Functies Gedragsvragenlijst*:

- Handleiding* [Manual for the BRIEF Executive Functions Behavioral Questionnaire]. Amsterdam, The Netherlands: Hogrefe.
- Snijders, T., & Bosker, R. (1999). *Multilevel analysis: An introduction to basic and advanced multilevel modeling*. London, United Kingdom: Sage Publications.
- Steiner, H. H. (2006). A microgenetic analysis of strategic variability in gifted and average-ability children. *Gifted Child Quarterly*, *50*, 62-74.
- Sternberg, R. J. (1998). Metacognition, abilities, and developing expertise: What makes an expert student? *Instructional Science*, *26*, 127-140.
- Sternberg, R. J. (1999). Intelligence as developing expertise. *Contemporary Educational Psychology*, *24*, 259-375.
- Sternberg, R. J. (2001). Giftedness as developing expertise: A theory of the interface between high abilities and achieved excellence. *High Ability Studies*, *12*, 159-179.
- Sternberg R. J., Grigorenko E. L. (2001). *All testing is dynamic testing*. *Issues in Education*, *7*, 137-170.
- Sternberg, R. J., & Grigorenko, E. L. (2002). *Dynamic testing*. New York, NY: Cambridge University Press.
- Sternberg, R. J., & Grigorenko, E. L. (2009). *Dynamic testing*. The nature and measurement of learning potential. Cambridge, United Kingdom: Cambridge University Press.
- Sternberg, R. J., Jarvin, L., & Grigorenko, E. L. (2011). *Explorations of the nature of giftedness*. New York, NY: Cambridge University Press.
- Stevenson, C. E., Bergwerff, C., Heiser, W. J., & Resing, W. C. M. (2014). Working memory and dynamic measures of analogical reasoning as predictors of children's math and reading achievement. *Infant and Child Development*, *23*, 51-66.
- Stevenson, C. E., Heiser, W. J., & Resing, W. C. M. (2013). Working memory as a moderator of training and transfer of analogical reasoning in children. *Contemporary Educational Psychology*, *38*, 159-169.
- Stevenson, C. E., Hickendorff, M., Resing, W. C.M., Heiser, W. J., & de Boeck, P. A. L. (2013). Explanatory item response modeling of children's change on a dynamic test of analogical reasoning. *Intelligence*, *41*, 157-168.
- Stevenson C. E., Touw K. W. J., & Resing W. C. M. (2011). Computer or paper analogy puzzles: Does assessment mode influence young children's strategy progression?, *Educational and Child Psychology*, *28*, 67-84.
- Sub, A., & Prabha, C. (2003). Academic performance in relation to perfectionism, test procrastination and test anxiety of high school children. *Psychological Studies*, *48*, 7-81.
- Subotnik, R. F., Olszewski-Kubilius, P., & Worrell, F. C. (2012). A proposed direction forward for gifted education based on psychological science. *Gifted Child Quarterly*, *56*, 176-188.
- Swanson, H. L. (2006). Working memory and dynamic testing in children with learning disabilities. In S. J. Pickering (Ed.), *Working Memory and Education* (pp. 125-156). Burlington, MA:

Academic Press.

- Swanson, H. L. (2010). Does the dynamic testing of working memory predict growth in nonword fluency and vocabulary in children with reading disabilities. *Journal of Cognitive Education and Psychology, 9*, 51-77.
- Swanson, H. L. (2011). Dynamic testing, working memory and reading comprehension growth in children with reading disabilities. *Journal of Learning Disabilities, 44*, 358-371.
- Swanson, H. L., & Howard, C. B. (2005). Children with reading disabilities: Does dynamic assessment help in the classification? *Learning Disability Quarterly, 28*, 17.
- Swanson, J. D. (2016). Drawing upon lessons learned: Effective curriculum and instruction for culturally and linguistically diverse gifted learners. *Gifted Child Quarterly, 60*, 172-191.

T

- Terman, L. M. (1925). *Genetic studies of genius Vol. 1: Mental and physical traits of a thousand gifted children*. Stanford, CA: Stanford University Press.
- Threlfall, J., & Hargreaves, M. (2008). The problem-solving methods of mathematically gifted and older average-attaining students. *High Ability Studies, 19*, 83-98.
- Toplak, M. E., West, R. F., & Stanovich, K. E. (2013). Practitioner Review: Do performance-based measures and ratings of executive function assess the same construct? *Journal of Child Psychology and Psychiatry, 54*, 131-143.
- Tunteler, E., Pronk, C. M. E. & Resing, W. C. M. (2008). Inter- and intra-individual variability in the process of change in the use of analogical strategies to solve geometric tasks in children: A microgenetic analysis. *Learning and Individual Differences, 18*, 44-60.
- Tunteler, E., & Resing W. C. M. (2007). Effects of prior assistance in using analogies on young children's unprompted analogical problem solving over time: A microgenetic study. *British Journal of Educational Psychology, 77*, 43-68.
- Tzuriel, D. (2001). *Dynamic assessment of young children*. New York, NY: Kluwer Academic.
- Tzuriel, D. (2007). Transfer effects of teaching conceptual versus perceptual analogies. *Journal of Cognitive Education and Psychology, 6*, 194-217.
- Tzuriel, D., & George, T. (2009). Improvement of analogical reasoning and academic achievements by the analogical reasoning program (ARP). *Educational and Child Psychology, 29*, 71-93.
- Tzuriel, D., & Kaufman, R. (1999). Mediated learning and cognitive modifiability. Dynamic assessment of young Ethiopian immigrant children to Israel. *Journal of Cross-Cultural Psychology, 30*, 359-380.

V

- Van der Leeden, R. (1998). Multilevel analysis of repeated measures data. *Quality and Quantity*, 32, 15-29.
- VanTassel-Baska, J. (2006). NAGC symposium: A report card on the state of research in the field of gifted education. *Gifted Child Quarterly*, 50, 339-341.
- VanTassel-Baska, J., & Stambaugh, T. (2005). Challenges and possibilities for serving gifted learners in the regular classroom. *Theory into Practice*, 44, 211-217.
- Veenman, M.V.J., Bavelaar, L., De Wolf, L., Van Haaren, M.P.G. (2014). The on-line assessment of metacognitive skills in a computerized environment. *Learning and Individual Differences*, 29, 123-130
- Veenman, M. V. J., Van Hout-Wolters, B. H. A. M., & Afflerbach, P. (2006). Metacognition and learning: conceptual and methodological considerations. *Metacognition and Learning*, 1, 3-14.
- Vendetti, M. S., Wu, A. & Holyoak, K. J. (2014). Far-out thinking: Generating solutions to distant analogies promotes relational thinking. *Psychological Science*, 25, 928-933.
- Viterbori, P., Usai, M. C., Traverso, L., De Franchis, V. (2015). How preschool executive functioning predicts several aspects of math achievement in Grades 1 and 3: a longitudinal study. *Journal of Experimental Child Psychology*, 140, 38-55.

W

- Wooding, G. S., & Bingham, R. D. (1988). Gifted children's response to a cognitive stressor. *Gifted Child Quarterly*, 32, 330-333.
- Worrell, F. C., & Erwin, J. O. (2011). Best practices in identifying students for gifted and talented education programs. *Journal of Applied School Psychology*, 27, 319-340.
- Wren, D. G., & Benson, J. (2004). Measuring test anxiety in children: Scale development and internal construct validation. *Anxiety, Stress, and Coping*, 17, 227 - 240.

Z

- Zeidner, M. (1998). *Test anxiety: The state of the art*. New York, NY: Plenum Press.
- Zeidner, M., & Schleyer, E. J. (1999). Test anxiety in intellectually gifted school students. *Anxiety, Stress & Coping: An International Journal*, 2, 163-189.
- Zeidner, M., & Shani-Zinovich, I. (2011). Do academically gifted and non-gifted students differ on the Big-Five and adaptive status? Some recent data and conclusions. *Personality and Individual Differences*, 51, 566-570.

- Zimmerman, B. J. (1989). A social cognitive view of self-regulated academic learning. *Journal of Educational Psychology, 81*, 329-339.
- Zook, K. Z., & Maier, J. M. (1994). Systematic analysis of variables that contribute to the formation of analogical misconceptions. *Journal of Educational Psychology, 86*, 589- 600.