
Curriculum Vitae of Bernard Veldkamp

Personal

Name: Bernard Peter Veldkamp
Rank: Full Professor
Date of birth: May 22nd, 1973
Place of birth: Wapenveld, The Netherlands
Civil status: Married (3 children)
ORCID: <https://orcid.org/0000-0003-3543-2164>
website <https://personen.utwente.nl/b.p.veldkamp>

Education

M.Sc. (Applied Mathematics), University of Twente, 1996
(Thesis Title: GIZMO: mathematical models for a new zip code based Geographical Information System).

Ph.D. (Behavioral Sciences), University of Twente, 2001
(Thesis Title: Principles and methods of constrained test assembly;
Promotor: Prof. Dr. Wim J. van der Linden).

Professional Career

2022 – date Vice-Dean of Research, Faculty of Behavioral Managerial and Social Sciences, University of Twente, The Netherlands.
2018 – 2022 Head of Learning, Data Analytics and Technology department, Faculty of Behavioral Managerial and Social Sciences, University of Twente, The Netherlands.
2018 - date Senior researcher Research Center for Examination and Certification
2017 – date Full Professor, Research Methodology, Measurement, and Data Analytics,
2015 – 2021 Head of Department, Department of Research Methodology, Measurement and Data Analysis, Faculty of Behavioral Managerial and Social Sciences, University of Twente, The Netherlands.
2014 – 2016 Adjunct-Professor, Faculty of Behavioral Sciences, Department of Research Methodology, Measurement and Data Analysis, University of Twente, Enschede, The Netherlands.
2012 – 2016 Coordinator DFI (Dutch Fraud Initiative).
2011 – 2012 Visiting Scholar, Law School Admission Council, Newtown, PA.
2011 – 2018 Director, Research Center for Examination and

- Certification.
- 2008 – 2013 Associate Professor, Faculty of Behavioral Sciences, Department of Research Methodology, Measurement and Data Analysis, University of Twente, Enschede, The Netherlands.
- 2008 – 2011 Co-founder and Adjunct Director, Research Center for Examination and Certification.
- 2007 Visiting Scholar, Educational Testing Service, Princeton, USA.
- 2005 Visiting Professor, Faculty of Statistics, University of Bologna, Italy.
- 2001-2008 Assistant Professor, Faculty of Behavioral Sciences, Department of Research Methodology, Measurement and Data Analysis, University of Twente, Enschede, The Netherlands.
- 1997-2001 PhD project, Faculty of Educational Sciences, University of Twente, Enschede, The Netherlands.

Manuscript reviews

- 2013 – date Book Series Editor, Springer series Methodology of Educational Measurement and Assessment.
- 2012 – 2013 Associate Editor Computational Statistics and Data Analysis
- 2012 – 2016 Section Editor of Journal for Computerized Adaptive Testing (JCAT)
- 2016 – 2019 Associate Editor British Journal of Mathematical and Statistical Psychology.

Regular reviewer for such international journals as Journal for Computerized Adaptive Testing, International Journal of Testing, Journal of Educational Measurement, Applied Psychological Measurement, Journal of Educational and Behavioral Statistics, and Psychometrika.

Awards

- 2008 Fellow of the Association for Evaluation and Assessment Europe.

University and professional committees

- 2021 – date Member Professor Deddens Kerkrecht Stichting
- 2021 – date Chair advisory board Theological University Kampen, The Netherlands
- 2021 – date Chair advisory board Theological University Kampen, The Netherlands
- 2020 – date Member vriendenstichting Greijdanus
- 2020 – date Member Shaping Expert Group Inclusion, University of Twente
- 2018 – date Senior researcher and member accreditation board RCEC
- 2017 – 2020 Member of the Curatorium of the Theological University Kampen, The Netherlands

2017 – date	Chair Technology, Data-analytics and Decision-support Systems Cluster (DDS) of the BMS faculty.
2017 - 2018	Member Scientific Advisory Group, Standards & Testing Agency, London, UK.
2015 - 2016	Chair Scientific Advisory Group, Standards & Testing Agency, London, UK.
2014 – 2014	Member committee Steur for advising the Dutch Ministry of Education on standard setting for the Math test
2014 - 2021	Member advisory board Foreign part Dutch integration examination.
2013 – 2016	Member of the Examination Board of Educational Sciences
2013 – 2014	Member Specialized Team on Social Statistics of GMStatistics
2013 – 2016	Board member of the Dutch Association for Educational Research (VOR)
2012 – 2013	Member Selection Committee INVALSI (Italy)
2012	Member scientific advisory board SRIM
2012	Organizer of the 3 rd RCEC Workshop on IRT and Educational Measurement, Oct 3-5 2012, Enschede, The Netherlands
2012 - 2021	Member advisory board Dutch integration examination (Nederlands inburgeringsexamen).
2011 – 2012	Member of the IACAT committee to start the Journal for Computerized Adaptive Testing.
2011 – 2012	Advisor of Metrika, Washington, DC, USA.
2011 – 2013	Member, Board of Advisors (Raad van Advies) PiCompany, Utrecht, The Netherlands.
2011 – date	Chair, Scientific Advisory Board CITO (Dutch National Institute for Educational Measurement)
2011 – 2016	Chair, Division Methodology and Statistics, Dutch Association for Educational Research (VOR)
2010	Organizer of the 1 st RCEC Workshop on IRT and Educational Measurement, Oct 11–14 2010, Enschede, The Netherlands.
2010 – 2013	Member of the International Committee of AERA division D
2009	Program Chair, 7 th National Examination Conference, 26 th Nov 2009
2009	Organizer of the 25 th IRT Workshop, Oct 12-15 2009, Enschede, The Netherlands
2008 – 2011	Member of the Examination Board of Communication Studies
2008 - 2011	Secretary of the department of Research Methodology, Measurement, and Data Analysis, faculty of Behavioral Sciences, University of Twente
2007	Program Chair, 6 th National Examination Conference, 15 th Nov 2007
2007 – 2008	Member, Education committee (OLC), Communication Studies
2006 – 2008	Member, Curriculum revision committee, Communication Studies

2005 – 2011	Secretary Nederlandse Vereniging voor Examens [Dutch Examination Society]
2005 – 2009	Student mentor, Educational Design Management and Media
2004 – date	Member, Library committee, Educational Design Management and Media

Professional affiliations

2009 - date	International Association for Computerized Adaptive Testing (IACAT)
2008 - date	Vereniging voor Onderwijs Research [Dutch Association for Educational Research]
2008 – date	AEA- Europe
2004 – 2009	American Psychological Association
2004 – date	National Council on Measurement in Education
1999 – date	Dutch Society for Educational Measurement (NVE)
1998 – 2009	Psychometric Society
1998 – date	American Educational Research Association
1997 – date	Inter-university Graduate School for Psychometrics and Sociometrics (IOPS)

Research interests

Computerized measurement. Within this area I focus on Data Mining, test theory and its applications to educational and behavioral measurement, computerized adaptive testing, optimal test assembly, application of statistics to I&O psychology and management sciences.

Research Grants

- NWO, 2022, €19.200.000, Stress-in-action (Gravitation Grant).
- EFRO, 2022, €4.052.000, Alert (with Artinis, ANT Neuro, Noldus, Thales, and Faculty EEMCS)
- NRO, 2020, €449.000, Digital twins to the rescue (with BMS-ELAN and Oberon)
- Holland High Tech, 2020, €25.000, How well do humans perform interacting with high tech systems? (with EWI and HBA-Lab Thales)
- Ex:plain, 2020, €240.000, PhD project 'High-stakes gamified tests' (with CITO)
- SASS, 2020, €192.000, Fraud Victimization (with IEBIS)
- NRO, 2020, €448.000, Peiling digitale vaardigheden in groep 8 van het reguliere basisonderwijs (with Cito and KBA).
- NRO, 2019, €70.000, Fieldlab Duurzame Onderwijsvernieuwing (with BMS-ELAN)
- BMS-UT, 2019, €250.000, BMS Signature PhD proposal (with BMS-IST, BMS-CPE)
- EFRO, 2019, €1.409.000, Brain Computer Interfacing Proeftuin (with EWI, Thales,

Artinis, Noldus, VidiNexus)

- 4TU, 2019, €250.000, Student-driven learning (with BMS-ELAN)
- Research Council of Norway, 2019, Supporting specialized psychiatric care in remote areas: A computer adaptive diagnostic interview for personality pathology (with RUG, University of Oslo, Oslo university hospital)
- BMS-UT, 2018, €3.000, Audiomining.
- NRO, 2018, €1.330.000, PISA 2021 (with EN, KBA en Radboud Universiteit)
- Commit2data, 2018, €978.000, Data2Person – Power4FitFoot
- NRO, 2018, €70.000, Validiteit Examens (with Oberon).
- NRO, 2018, €70.000, Datarotonde (with Oberon).
- Invalsi, 2018, €40.000, Test Assembly (with Cito).
- NRO, 2017, €70.000, Formatieve evaluatie (with Oberon).
- NRO, 2017, €65.000, Datagedreven Onderwijsonderzoek.
- NWO, 2017, €600.000, Data2Game (with Thales, University of Tilburg and University of Twente).
- Crolox, 2016, €22.500, mkb vouchers voor screening PTSS
- Stichting Kennisnet, 2016, €100.000, het meten van digitale vaardigheden.
- Tech4People, University of Twente, 2016, €100.000, 'Game-based learning'.
- Law School Admission Council, 2015, €50.000, 'Measurement Invariance Testing using Bayes factor'.
- eScience Center, 2015, €500.000, 'What works when for whom? Advancing therapy change process research by text mining'.
- Cito, 2015, €400.000, Research line formative assessment.
- SASS, 2015, €40.000 research grant 'Cybercrime'.
- Tech4People, University of Twente, 2015, €75000, 'processing continuous data streams'.
- eX:plain, 2014, €20000, 'Fraud detection in QMP'.
- Zyvo, 2014, €25000, 'Ipsative CAT'.
- Zorginstituut Nederland, 2014, €37000, 'Afwegingskader toegang Wet langdurige zorg'.
- NRO, 2014, € 50,000, 'review study voorwaarden voor effectieve formatieve toetsing/ review study conditions for effective formative assessment'
- Dutch Ministry of Social Affairs and Employment, 2014, € 29,000, Pilot fraude detection'.
- EU, Lifelong Learning Program, LIBE Grant, 2013, € 110.000, 'Supporting lifelong learning with Inquiry-Based Education'
- Law School Admission Council, 2013, € 180.000, 'Response time modeling and its applications'.
- SASS, 2013, € 50,000 research grant "PTSD screening based on spoken language"
- HHM, 2013, grant obtained for the project 'Validating the Zelfredzaamheids Matrix', € 10,500.
- ECABO, 2013, grant obtained for the PhD project 'Psychometric models in multi-media performance assessment'.
- Ministero dell'Instruzione, dell'Universia e della Ricerca, Italy, 2012, € 186,000. Programma 'Futuro in Ricerca', together with Sylvia Cagnone (University of Bologna, primary applicant) and Irini Moustaki (London School of Economics).

- Kennisnet, 2012, € 20,000. 'Overview and trends in computerized testing and examinations in the Dutch educational system'.
- KPMG, 2012, grant obtained for PhD project 'Fraud detection in annual reports'.
- Astmafonds, 2012, € 250,000. 'Development and evaluation of a Computerized Adaptive Test for measuring Quality of Life in patients with COPD'
- ZonMw, 2011, € 135,000. 'Mark My Words: The design and pretest of a methodology to analyze interpersonal health conversations in web and social media.'
- Law School Admission Council, 2011, € 130,000 visiting scholarship grant.
- ECABO, 2011, grant obtained for the PhD project "Multimedia-Based Performance Assessment (MBPA) in Vocational Education and Training (VET) in the Netherlands" 2011-2015
- Dutch HBORaad, 2011, € 32,000, Guidelines for the evaluation of the test construction process.
- Grow Talent, 2010, grant obtained for PhD project 'Personality and performance assessment'.
- Law School Admission Council, 2010, € 200,000 research grant, "Data mining for testlet modeling and its applications".
- SASS, 2010, € 70,000 research grant, "Implementation text mining based classification system for PTSD patients".
- CZ, 2010, € 15,000 research grant, "Automated fraud detection, con'd".
- KCH, 2009, grant obtained for PhD project "Competence bases assessment in vocational education in the Netherlands."
- CZ, 2009, € 20,000 research grant, "Automated fraud detection".
- SASS, 2008, € 150,000 research grant, "Automated intake system for PTSD patients".
- PiCompany, 2008, € 10,000 research grant, "Predicting item parameters".
- Crolox, 2007, € 18,500 research grant, "The use of data mining techniques for predicting traffic jams".
- Ministry of Justice, 2007, € 75,000 research grant, "Development of a risk detection model based on data mining techniques".
- Grant obtained from the Dutch Ministry of Binnenlands Zaken en Koninkrijksrelaties for the PhD project "Development of a VR Assessment" 2006-2010
- Grant obtained from Picompany for the PhD project "Development of online IRT assessment instruments" 2006-2010
- Grant obtained from the Netherlands Organization for Scientific Research (NWO) for the PhD project "The use of item response theory in personality assessment" 2005-2009
- Ministry of Justice, 2005, € 25,000 research grant, "Risk analysis of foundations with respect to criminal behavior with data mining techniques".
- IOPS, 2001, € 2,500 Travel Grant, European meeting of the Psychometric Society in Osaka, JP, 2001.

Paper presentations

Keynote 'The attributed value of AI in Psychometrics' at 2021 International Conference on Artificial Intelligence and Big Data in Education, November 16-17, 2021, Beijing, China

Keynote 'The attributed value of big data analytics for educational measurement' at 2018 Global Summit on Artificial Intelligence and Big Data in Education, July 21-22, 2018, Beijing, China.

Invited symposium *Future trends in educational research in the Netherlands*, Annual Meeting of the American Educational Research Association, April 7-12, 2016, Washington DC.

Keynote at the LIBE project incontro conclusive, 'Psychometrics in LIBE', December 11th, 2015, Rome, Italy.

Keynote at the Conference 'Construeren en vaststellen: een vak apart!', March 21st, 2014, Utrecht, The Netherlands.

Keynote at the Conference 'Assessment of workplace learning', Feb 14th, 2013, Utrecht, The Netherlands.

Keynote at the 47th Woudschoten Conference of Physics Didactics, Dec 15th, 2012, Noordwijkerhout, The Netherlands.

Keynote at the 1st International Conference on Interdisciplinary Research on Technology, Education, and Communication, May 25-27, 2010, Kortrijk, Belgium.

Studium Generale Lecture at the University of Eindhoven. The Netherlands, Mine your own business, May 13th 2009.

Invited symposium *Advances on research in CATs*, 3rd European Congress on Methodology, July 9-11, 2008, Oviedo, Spain.

Invited presentations at

- 17th SINAPE Meeting, July 24-28, 2006. Caxambu, Brasil,
- Educational Testing Service, June 2007, Princeton, USA,
- Law School Admission Council, June 2007, Newtown, USA,
- Joint SFC CLADAG Meeting, June 11-13, 2008, Caserta, Italia,
- ITEC Workshop, Jan 8-9, 2009, Kortrijk, Belgium,
- Law School Admission Council, June 2010, Newtown, USA,
- Law School Admission Council, Nov 2011, Newtown, USA,
- Educational Testing Service, Dec 2011, Princeton, USA,
- Fordham University, Apr 2012, New York, USA.
- Rutgers University, Apr 2012, New Brunswick, USA.
- IOPS conference, Dec 18th, 2012, Enschede, The Netherlands.
- Law School Admission Council, Jan 24th, 2013, Newtown, USA.
- Isoqol-NL conference, March 12th, 2014, Utrecht, The Netherlands

TiCC-SIKS colloquium at the university of Tilburg, The Netherlands, February 3rd, 2010.

AICPA/LSAC/College Board colloquium, Newtown, USA, March 22nd, 2012.

Paper presentations at the National Council on Measurement in Education (NCME) Meetings in Montreal, 1999, San Diego, 2004, Montreal 2005, Vancouver, 2012, San Francisco, 2013, Philadelphia, 2014, Chicago, 2015, and Washington, 2016, at the European Meeting of the Psychometric Society, Osaka, JP, 2001, at the American Meeting of the Psychometric Society in Champaign Urbana, 1998, Chapel Hill, 2002, Cagliari, IT, 2003, Tilburg, NL, 2005, Madison, WI, 2014, at Society for Multivariate Analysis in the Behavioral Sciences, Tilburg, NL, 2002, at the meeting of the International Testing Committee, Winchester, UK, 2002, at the Onderwijs Research Dagen in Eindhoven, 2008, at the annual meeting of AEA-Europe in Bulgaria, 2008, Malta, 2009, Berlin, 2012, and at the EARLI, Munchen, 2013.

Courses and seminars taught

The following courses have been taught, both at bachelor and master level:

- Text mining

- Machine Learning
- Assessment of and for Learning
- Introduction Research Methodology
- Research Methodology,
- Psychometrics,
- Test Design,
- Research Design,
- Educational Measurement,
- Computerized Testing Technology, and Introductory Statistics.
- Research methodology for I&O Psychology
- Capita selecta for I&O Psychology
- Selection and Assessment in the I&O Psychology
- Invited workshop at the meeting of the International Testing Committee (2002) about Optimal test assembly.

Doctoral Dissertations Supervised

Current projects:

1. Max van der Velde (2022-2026). Advanced speech technology and learning analytics.
2. Romee Lammers (2021-2025). What is your story.
3. Priyanka Perreira (2020-2024). Peer feedback in higher education (with K. Schildkamp).
4. Luka Koning (2020-2023). FraudVic. (together with Marianne Junger).
5. Aranka Bijl (2020-2024). High-stakes game-based testing.
6. Kroeze, K.A. (2016-2020). Online assessment of competency. (together with A.J.M. de Jong)
7. Wijga, M. (2014-2017). Best of both worlds (Daily supervisor: Dr. Maaike Endedijk)
8. Nurakhmetov, D. (2014-2018). Mastery CAT. (Promotors B.P. Veldkamp and T.J.H.M. Eggen)

Finished projects:

1. Wiegersma, S. (2022). Classification of spoken text using text mining. (with C.A.W. Glas)
2. Bron, R. (2022). Research on educational change in higher education: the case of Twente Education Model. (with. Maaike Endedijk)
3. Steinrücke, J. (2021). Data2Game. (with A.J.M. de Jong).
4. Smink, W. (2021). What works when for whom. February 12th, 2021 (with G Westerhof and A. Sools)
5. Hopster - Den Otter, D. (2019). Formative assessment and effective feedback, November 29th, 2019 (with T.J.H.M. Eggen).
6. Brouwer, A.J. (2018). Systems-Oriented Talent Management, December 18th, 2018 (with T.J.H.M. Eggen).
7. Heitink, M.C. (2018). Eliciting teachers' and students' technological competences, December 12th, 2018.
8. Fisette, M. (2017). Text mining to detect indications of fraud in annual reports worldwide. University of Twente, December 21st, 2017. (Grant obtained from KPMG).
9. De Klerk, S. (2016). Multimedia-Based Performance Assessment (MBPA) in Vocational Education and Training (VET) in the Netherlands. (with T.J.H.M. Eggen, Grant obtained from Explain).
10. Groen, M. van (2014). Classification decision in Computerized Adaptive Testing. (with T.J.H.M. Eggen).

11. He, Q. (2013). Text mining and IRT for Psychiatric and Psychological Assessment. University of Twente, October 3rd, 2013. (Promotor: C.A.W. Glas & T. de Vries, Grant obtained from SASS).
12. Egberink, I.J.L. (2010). Development of online IRT assessment instruments. University of Groningen. November 25th (Promotor: R.R. Meijer, Grant obtained from PiCompany).
13. Khalid, M.N. (2009). IRT Model Fit From Different Perspectives. University of Twente. December 9th, 2009. (Promotor: C.A.W. Glas).
14. Weekers, A. (2009). Modeling Typical Performance Measures. University of Twente. December 16th, 2009. (Promotors: C.A.W. Glas and R.R. Meijer, Grant obtained from NWO Open Competitie).
15. Vorst, J. (2008). Complexity Theory in Regional Health Care Networks. University of Twente, December 4th, 2008. (Promotors: T. de Vries and A. Suurmond)
16. Korobko, O. (2007). Comparison of Examination Grades using Item Response Theory: a Case Study. University of Twente, September 7th, 2007. (Promotor: C.A.W. Glas)
17. Matteucci, M. (2007). Item Response Theory model for the competence evaluation: towards a multidimensional approach in the University guidance. University of Bologna, IT, March 15th, 2007. (Promotor: S. Mignani)
18. Van Vuuren, H.A. (2006). Why work; the contribution of value perceptions and efficacy expectations to organizational commitment. University of Twente, October 27th, 2006. (Promotor: E.R. Seydel, assistant promoter: M.D.T. de Jong)
19. Blokhuis, F.T.L. (2006). Evidence-based design of workplace learning. University of Twente, June 30th, 2006. (Promotor: W.J. Nijhof)
20. Ariel, A. (2005). Contributions to test-item bank design and management. University of Twente, September 23rd, 2005. (Promotor: W.J. van der Linden)
21. Nijman, D.J.J.M. (2004). Supporting Transfer of Training. University of Twente, December 10th, 2004. (Promotor: W.J. Nijhof)

Other appointments

2013 - 2016	Elected member of the Church Council of GKV - Enschede Zuid
2006 - 2011	Member of the City Council of Enschede
2001 - 2004	Elected member of the Church Council of GKV - Enschede Zuid
2004	Temporary member of the City Council of Enschede

List of publications

2022

- Marengo, D., Hoeboer, C. M., Veldkamp, B. P., & Olf, M. (2022). Text mining to improve screening for trauma-related symptoms in a global sample. *Psychiatry Research*, 316, 114753.
- Xiao, Y., Veldkamp, B., & Liu, H. (2022). Combining Process Information and Item Response Modeling to Estimate Problem-Solving Ability. *Educational Measurement: Issues and Practice*, 41(2), 36-54.
- Sedrakyan, G., Abdi, A., van den Berg, S.M., Veldkamp, B., & van Hilligersberg, J. (2022). Tekst-To-Model (TeToMo), transformation framework to support requirements analysis and modeling. *Proceedings of the 10th International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2022)*, 129-136. doi: 10.5220/0010771600003119
- Wiegersma, S., Hidajat, M., Schrieken, B., Veldkamp, B., & Olf, M. (2022). Improving Web-Based Treatment Intake for Multiple Mental and Substance Use Disorders by Text Mining and Machine Learning: Algorithm Development and Validation. *JMIR Mental Health* 9(4), e21111 doi:10.2196/21111.
- Borsci, S., Lehtola, V.V., Nex, F., Ying Yang, M., Veldkamp, B.P. et al. (2022) Embedding artificial intelligence in society: looking beyond the EU AI master plan using the culture cycle. *AI & Society*.

2021

- Jiao, H., He, Q., & Veldkamp, B. P. (2021). Process Data in Educational and Psychological Measurement. *Frontiers in psychology*, 12.

- Xiao, Y., He, Q., Veldkamp, B., & Liu, H. (2021). Exploring latent states of problem-solving competence using hidden Markov model on process data. *Journal of Computer Assisted Learning*, 37(5), 1232-1247.
- Smink, W. A. C., Sools, A., Postel, M. G., Tjong Kim Sang, E., Elfrink, A., Libbertz-Mohr, L., ... & Westerhof, G. J. (2021). Analysis of the e-mails from the Dutch Web-Based Intervention 'Alcohol de Baas': Assessment of Early Indications of Drop-Out in an Online Alcohol Abuse Intervention. *Frontiers in psychiatry*,
- Veldkamp, B., Schildkamp, K., Keijzers, M., Visscher, A., & de Jong, T. (2021). Big Data Analytics in Education: Big Challenges and Big Opportunities. *International Perspectives on School Settings, Education Policy and Digital Strategies: A Transatlantic Discourse in Education Research*, 266.
- Kroeze, K. A., Van Den Berg, S. M., Veldkamp, B. P., & De Jong, T. (2021). Automated Assessment of and Feedback on Concept Maps During Inquiry Learning. *IEEE transactions on learning technologies*, 14(4), 460-473.
- Dolmans, T. C., Poel, M., van't Klooster, J. W. J., & Veldkamp, B. P. (2021). Perceived Mental Workload Classification Using Intermediate Fusion Multimodal Deep Learning. *Frontiers in human neuroscience*, 581.
- Steinrücke, J., Mavromoustakos-Blom, P., Stegeren, J. V., Attema, Y., Bakkes, S., Groot, T. D., ... & Veldkamp, B. (2021, July). Data2Game: Towards an Integrated Demonstrator. In *International Conference on Applied Human Factors and Ergonomics* (pp. 239-247). Springer, Cham.

2020

- Schildkamp, K., van der Kleij, F. M., Heitink, M. C., Kippers, W. B., & Veldkamp, B. P. (2020). Formative assessment: A systematic review of critical teacher prerequisites for classroom practice. *International Journal of Educational Research*, 103, 101602.
- Wiegersma, S., Nijdam, M. J., van Hessen, A. J., Truong, K. P., Veldkamp, B. P., & Olf, M. (2020). Recognizing hotspots in Brief Eclectic Psychotherapy for PTSD by text and audio mining. *European Journal of Psychotraumatology*, 11(1), 1726672.
- Steinrücke, J., Veldkamp, B. P., & De Jong, T. (2020, July). Information literacy skills assessment in digital crisis management training for the safety domain: Developing an unobtrusive method. In *Frontiers in Education* (Vol. 5, p. 140). Frontiers.
- Vermetten, E., Tielman, M. L., van Dort, E., Binsch, O., Li, X., Rozendaal, M. C., ... & Jetly, R. (2020). Using VR-based interventions, wearable technology, and text mining to improve military and Veteran mental health. *Journal of Military, Veteran and Family Health*, 6(S1), 26-35.

2019

- He, Q., Veldkamp, B. P., Glas, C. A., & Van Den Berg, S. M. (2019). Combining Text Mining of Long Constructed Responses and Item-Based Measures: A Hybrid Test Design to Screen for Posttraumatic Stress Disorder (PTSD). *Frontiers in Psychology*, 10, 2358.
- Veldkamp, BP (2019). Het wiskundig fundament van toetsen en examens. *Nieuw archief voor de wiskunde*, 5, 161-168 [In Dutch]. Retrieved from: <http://www.nieuwarchief.nl/serie5/pdf/naw5-2019-20-3-161.pdf>.
- Hopster-den Otter, D., Wools, S., Eggen, TJHM, Veldkamp, BP (2019) A General Framework for the Validation of Embedded Formative Assessment. *Journal of educational measurement*. Online-first
- Steinrücke, J., Veldkamp, B., de Jong, T. (2019) Determining the effect of stress on analytical skills performance in digital decision games Towards an unobtrusive measure of experienced stress in gameplay scenarios *Computers in Human Behavior*. Online first
- Sang, ETK, de Vries, B, Smink, W, Veldkamp, B, Westerhof, G, Sools, A, (2019) *De-identification of Dutch Medical Text*. retrieved from <https://www.ifarm.nl/erikt/papers/healtac2019.pdf>.
- Bijlsma, HJE, Visscher, AJ, Dobbelaer, MJ, Veldkamp, BP (2019) Does smartphone-assisted student feedback affect teachers' teaching quality? *Technology, pedagogy and education* 28 (2), 217-236
- Hopster-den Otter, D, Muilenburg, SN, Wools, S, Veldkamp, BP (2019) Comparing the influence of various measurement error presentations in test score reports on educational decision-making. *Assessment in Education: Principles, Policy & Practice* 26 (2), 123-142
- Scheerens, S, Brouwer, A, Sanders, P, Veldkamp, B, Van der Vegt, AL (2019). *Fundamentele vragen over examens en toetsing*. Utrecht: Oberon. Retrieved from: <https://www.nro.nl/wp-content/uploads/2019/04/Fundamentele-vragen-over-examens-en-toetsing-Scheerens-en-Oberon.pdf>
- BP Veldkamp, C Sluijter (2019) *Theoretical and Practical Advances in Computer-based Educational Measurement* Cham, Switzerland: Springer. <https://doi.org/10.1007/978-3-030-18480-3>
- Veldkamp, BP, Verschoor, AJ (2019) Robust Computerized Adaptive Testing. In BP Veldkamp and C Sluijter (Eds.). *Theoretical and Practical Advances in Computer-based Educational Measurement*. (pp. 291-305). Cham, Switzerland: Springer.
- van Groen, MM, Eggen, TJHM, Veldkamp, BP (2019) Multidimensional Computerized Adaptive Testing for Classifying Examinees. In BP Veldkamp and C Sluijter (Eds), *Theoretical and Practical Advances in Computer-based Educational Measurement* (pp. 271-289). Cham, Switzerland: Springer.

- Brouwer, AJ, Veldkamp, BP, Vroom, M (2019). The Design and Validation of the Renewed Systems-Oriented Talent Management Model. In BP Veldkamp and C Sluijter (Eds), *Theoretical and Practical Advances in Computer-based Educational Measurement*. Springer (pp. 47-71). Cham, Switzerland: Springer.
- WAC Smink, JP Fox, TK Sang, F Erik, AM Sools, GJ Westerhof (2019) Understanding Therapeutic Change Process Research through Multilevel Modelling and Text Mining. *Frontiers in psychology*, 10, 1186
- van Ommering, C.J., de Klerk, S., & Veldkamp, B.P. (2019). Getting to grips with exam fraud: a qualitative study towards developing an evidence based educational data forensics protocol. *Communications in Computer and information sciences*, 1014, pp. 199-218.

2018

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