

Curriculum vitae: Martijn Wieling

Personal information

Date of birth: March 18, 1981
Place of birth: Emmen
Nationality: Dutch
Phone: +31 6 100 950 21
E-mail: m.b.wieling@rug.nl
Website: <http://www.martijnwieling.nl>

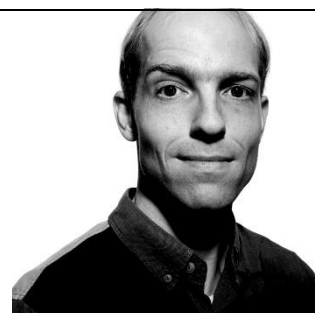


Photo: Jérôme Schlomoff

Summary

- **2007:** MSc in Computing Science, University of Groningen (UG), *cum laude*
- **2007:** MSc in Behavioral Cognitive Neurosciences, UG, *cum laude*
- **2012:** PhD in Linguistics, *cum laude* (top 10%)
- **Since 2012:** Research grants worth over € 2,000,000, among which:
 - NWO Rubicon grant (€ 60,000)
 - NWO Veni grant (€ 250,000)
 - 2 NWO PhD in the Humanities grants (€ 250,000 each)
 - Provincial grants on speech technology (€ 400,000 in total)
- **Since 2018:** Professor by special appointment of Low Saxon/Groningen Language & Culture Associate professor (tenured, UHD1) Information Science, UG
 - Supervision: 1 postdoc, 16 PhD students (5 finished), several MA students
 - Teaching (with UTQ): Several statistics courses at BA, MA and PhD-level
- **2015-2020:** Member of *De Jonge Akademie*, Royal Netherlands Academy of Arts and Sciences
- **2016-2021:** Founding member of the Young Academy Groningen, UG (2021: board member)
- **2016:** European Young Research Award, EuroScience
- **2017:** Committee member for the Canada Foundation for Innovation (total grants: M\$550)
- **2018-2020:** Vice-chairman of *De Jonge Akademie*, KNAW
- **2018-2021:** Member of the editorial board of PLOS ONE (Open Access)
- **2018-present:** Member of the board of *Stichting Nederlandse Dialecten* (since 2021: treasurer)
- **2018-2024:** Member of the *FWO (Flanders)* expert panel Linguistics
- **2019-present:** Co-editor-in-chief Language Variation series in Language Science Press (OA)
- **2019:** Member NWO Veni panel Linguistics
- **2019-2024:** Member of the *Global Young Academy*
- **2021-present:** Member of the editorial board of *Taal en Tongval*
- **2024-present:** Member of the board of Educational Cluster 3 of the Faculty of Arts
- **Outreach:** Presentations and publications (incl. *comic* and *board game*) and 150+ media items
- **Scientific output:**
 - **>120 peer-reviewed publications**, several in top conferences in NLP (ACL), and top journals in Linguistics, such as *Journal of Phonetics* (several times), *Language*, *Journal of the Acoustical Society of America*, *Computer Speech and Language*, *Computers and Education*, *PLOS ONE* (several times), and by invitation in *Annual Review of Linguistics*
 - **~100 scientific presentations and courses** (about 40 by invitation, such as in Cambridge, Toulouse and Montréal; one at the prestigious biennial *LSA Institute*)

Education

2017 **University Teaching Qualification (UTQ)**, University of Groningen
2012 **PhD degree in Linguistics** (*cum laude*: top 10%), Faculty of Arts, University of Groningen
Dissertation title: *A Quantitative Approach to Social and Geographical Dialect Variation*.
Promotors: Prof. John Nerbonne (University of Groningen / Universität Freiburg) and Prof. R. Harald Baayen (Universität Tübingen / University of Alberta).

- 2007 **Master of Science (MSc) Computing Science – Intelligent Systems** (*cum laude*), University of Groningen.
- 2007 **Master of Science (MSc) Behavioral Cognitive Neurosciences (BCN) – Computational Modeling of Cognition** (*cum laude*), University of Groningen.
- 2005 **Bachelor of Science (BSc) degree Computing Science** (*cum laude*), University of Groningen.

University positions

- Since 7/2018 **Professor** by special appointment (0.2 fte) of Low Saxon / Groningen Language and Culture, *Centrum Groninger Taal en Cultuur*.
- Since 7/2018 **Associate Professor** (since 2/23 UHD1, 0.7 fte, with tenure), Department of Information Science, Faculty of Arts, University of Groningen.
- Since 8/2017 **Affiliated Research Scientist**, Haskins Laboratories, Yale, New Haven, USA.
- 2015 – 2018 **Assistant Professor** (UD2/1, 0.75 fte, with tenure), Department of Information Science, Faculty of Arts, University of Groningen.
- 2013 – 2015 **Post-doc** (0.75 fte) during the first two years of my four-year **NWO Veni grant project** *Improving speech learning models and English pronunciation with articulography*. Faculty of Arts, University of Groningen.
- 2013 – 2014 **Post-doc** (0.2 fte) with Prof. R. Harald Baayen at the Department of Quantitative Linguistics, University of Tübingen, Germany.
- 2012 – 2013 **Post-doc** (1 fte) on a one-year **NWO Rubicon grant project** collaborating with Prof. R. Harald Baayen. Project title: *Investigating language variation physically*. Department of Quantitative Linguistics, University of Tübingen, Germany.

Research grants and fellowships (total: > € 2,000,000)

- 2024 **Subsidy (€ 165,000) from the Provinces of Groningen, Drenthe, Fryslân, Overijssel and Gelderland** for a post-doc position on Low Saxon speech technology.
- 2023 **Subsidy (€ 10,000) from the Province of Groningen** for the purchase of a Temi robot for implementing Groningen speech technology on.
- 2023 **NWO PhD in the Humanities grant (€ 280,000** including € 55,000 matching by UG). Title project: *Sensorimotor control of speech in Alzheimer's and Parkinson's disease*. Co-applicant: Dr. Defne Abur. PhD student: Katharina Polsterer.
- 2022 **Subsidy (€ 225,000) from the Province of Fryslân** for a PhD position on Frisian speech technology.
- 2022 **National Science Agenda (€ 22,500** with Erfgoedcentrum Achterhoek Liemers, RUG Scholierenacademie and Feestfabriek AKG B.V.) subsidy for the development of an app and primary school lesson program on Achterhoeks.
- 2021 **WoordWaark subsidy (€ 98,400;** with Prof.dr. Goffe Jensma). Project title: *WoordWaark publieksinterface*.
- 2021 **KNAW Gewaardeerd! public engagement subsidy (€ 10,000)**. Awarded in acknowledgement of the public engagement activities of the Speech Lab Groningen. Through this grant, we are developing a dialect board game (“Streektaalstrijd”). We have received additional grants (each valued € 2,000) from the province of Fryslân, the province of Groningen, the province of Drenthe, Erfgoedcentrum Achterhoek Liemers, and Raod veur ‘t Limburgs to help cover the costs of printing the game.
- 2021 **Platform Digitale Infrastructuur SSH Grant (€ 24,000 for UG;** co-applicant of larger grant of € 600,000 – PI: Prof. Van Dijck, Maastricht University)
- 2021 **CIT Data Science Grant (€ 30,000;** with Prof. dr. Jenny van Doorn), University of Groningen. Project title: *Dialects of Groningen: from text to speech*.
- 2021 **Subsidy for the organization of a Summer School on Speech** from the French-German University (€ 14,000; with Dr. Susanne Fuchs – ZAS, Dr. Anne Hermes – LPP France, Dr. Leonardo Lancia – LPP France)
- 2020 **Subsidy for the purchase of an NDI Vox EMA (€ 16,000)** from the board of the Faculty of Arts of the University of Groningen.

- 2020 **Subsidy for SPRAAKLAB (€ 150,000)** from the board of the University of Groningen. The funding covers the acquisition of a mobile laboratory which can be used to conduct (e.g.,) acoustic and articulatory data collection experiments in the field. See <https://www.rug.nl/let/spraaklab>.
- 2019 **NWO PhD in the Humanities grant (€ 250,000** including € 50,000 matching by UG). Title project: *Speech planning and monitoring in Parkinson's disease: a speech motor control perspective*. PhD student: Teja Rebernik.
- 2019 **Google Community Grant (€ 30,000)**. Title project: *Van old naar jong: het digitaal doorgeven van Groningse streektaal en identiteit*.
- 2019 **Lowlands Science 2019 project grants** from the University of Groningen, the Young Academy Groningen and the *Stichting Groninger Universiteitsfonds* (€ 9000).
- 2019 **Digital Humanities Data Science grant (€ 12,500)**, RUG. Project title: *Automatic rating and recognition of Groningen speakers*.
- 2018 **De Jonge Akademie project grant (€ 8000; co-applicant)** for conducting a study investigating the speech articulation of children with Duchenne Muscular Dystrophy, in collaboration with Prof. Annemieke Aartsma-Rus (PI), Leiden University Medical Center, Dr. Aude Noiray, University of Potsdam and Dr. Jos Hendriksen, Kempenhaege.
- 2018 **NWO KIEM grant (€ 18,000)** for a webinterface for the “Sprekend Nederland” project (PI: Prof. Frans Hinskens)
- 2018 **Lowlands Science 2018 project grants** from the University of Groningen, the Young Academy Groningen and the *Stichting Groninger Universiteitsfonds* (total: € 10,000)
- 2018 **Nvidia Hardware Grant**, Titan Xp GPU (value: € 1250).
- 2017 **CIT Data Science Grant (€ 35,000; with Dr. Nanna Hilton)**, University of Groningen. Project title: *Automatic recognition of Frisian speakers*.
- 2017 **Stichting Groninger Universiteitsfonds grant (€ 13,750)** for purchasing a high-speed ultrasound device and control laptop.
- 2017 **De Jonge Akademie project grant (€ 4000)** for conducting a study on the effectiveness for pronunciation training of visual feedback of the tongue using ultrasound.
- 2017 **Nvidia Hardware Grant**, Titan X Pascal GPU (value: € 1250).
- 2017 **Interdisciplinary PhD position Young Academy Groningen (€ 115,000; with Prof. Michel Vols, Faculty of Law)**, University of Groningen. Project title: *Automatic detection of linguistic patterns in legal big data*.
- 2016 **Digital Humanities Exploratory Project Grant (€ 50,000)**, University of Groningen. Project title: *Identifying Dutch accents automatically*.
- 2016 **Nvidia Hardware Grant**, Titan X GPU (value: € 1250).
- 2016 **De Jonge Akademie project grant (€ 4000)** for the creation and publication of a comic to illustrate one of the results of my articulography research to the general public. The result can be seen at <http://www.martijnwieling.nl/comic>.
- 2016 **Research support grant (€ 5000)**, Faculty of Arts, University of Groningen.
- 2015 **De Jonge Akademie project grant (€ 6000; co-applicant)** for a collaborative project with Dr. Marleen Kamperman, Prof. Johan van Leeuwen and Prof. Jan-Willem Veening. The goal of this project is to create a comic (drawn by Eva Hilhorst) illustrating the diversity among scientists and scientific fields in order to counter the stereotype of a scientist as being a male scientist in a lab coat.
- 2015 **Vereniging van Instellingen voor mensen met een Visuele beperking (VIVIS) project grant (€50,000)**. Project title: *Automatic speech recognition for congenitally blind speakers*.
- 2015 **Short Term Mobility Grant (€ 1700)** of the *Consiglio Nazionale delle Ricerche* awarded for a research visit to *Istituto di Linguistica Computatazionale*, CNR, Pisa, Italy.
- 2015 **De Jonge Akademie project grant (€ 8000)** for a collaborative project on visualizing dialect data with Prof. Bettina Speckmann, Eindhoven University of Technology.

- 2013 **NWO (Netherlands Organisation for Scientific Research) Veni Award (€ 250,000 + € 50,000 contributed by the Faculty of Arts, University of Groningen).** Project title: *Improving speech learning models and English pronunciation with articulography.*
- 2013 **Short Term Mobility Grant (€ 2100)** of the *Consiglio Nazionale delle Ricerche* awarded for a two-week research visit to *Istituto di Linguistica Computatazionale*, CNR, Pisa, Italy.
- 2012 **NWO (Netherlands Organisation for Scientific Research) Rubicon Grant (€ 59,000)** for a one-year post-doc appointment at the University of Tübingen, Germany. Project title: *Investigating language physically.*
- 2011 **Short Term Mobility Grant (€ 2100)** of the *Consiglio Nazionale delle Ricerche* awarded for a research visit to *Istituto di Linguistica Computatazionale*, CNR, Pisa, Italy.
- 2010 **Travel grant (€ 400)** of the University College London to attend the AHRC CECD 2010 Summer School in London.
- 2006 **Individual monthly stipend (total: € 2220)** awarded to the best four students of the BCN research master.

Honors and awards

- 2020 **Elected board member of the Young Academy Groningen**, UG (9/2020 – 8/2021)
- 2019 **Member of the Global Young Academy**, a group of approximately 200 young promising scientists worldwide.
- 2018 **Elected vice-chairman of *De Jonge Akademie***, KNAW (4/2018 – 3/2020).
- 2016 **European Young Research Award**, EuroScience. See <http://www.euroscience.org/news/european-young-researchers-award-eyra-2016>. This biennial prize is meant for post-docs with excellent research performance and leadership, and who exhibit a clear European dimension in their work. This was the first time someone from the humanities was awarded this prestigious prize.
- 2016 **Founding member of the Young Academy Groningen**, a group of about 25 promising young researchers of the University of Groningen (9/2016 – 8/2021)
- 2015 **Member of the *De Jonge Akademie***, a national group of 50 young (up to 10 years after PhD) promising scientists (9/2015 – 8/2020). *De Jonge Akademie* is a part of the Royal Netherlands Academy of Arts and Sciences (KNAW).
- 2014 **Lisa Lena Opas-Hänninen prize for best young scholar's poster** at the Methods in Dialectology XV conference, Groningen.
- 2012 **Best Poster Award** at the BCN New Year's Meeting.

International collaboration (selection)

- Since 2018 Research collaboration with **Dr. Aude Noiray**, University of Potsdam on her DFG-funded project: *Relation between phonological awareness and the maturation of spoken language organization.*
- Since 2017 Research collaboration with **Dr. Stefanie Keulen**, University of Brussels, Belgium on her FWO-funded project: *Investigating feedback mechanisms in Childhood Apraxia of Speech.*
- Since 2016 Research collaboration (articulography) with **Dr. Mark Tiede**, Yale University, New Haven, United States.
- Since 2014 Research collaboration (generalized additive modeling) with **Prof. Simon Wood** (University of Bristol, United Kingdom), **Prof. R. Harald Baayen** (University of Tübingen, Germany) and **Dr. Jacolien van Rij** (UG).
- Since 2011 Research collaboration (Tuscan dialectology) with **Dr. Simonetta Montemagni**, Istituto di Linguistica Computatazionale, CNR, Pisa, Italy.

Conference / summer school organization

- 2022 **Co-organizer** of Summer School on complexity in speech, July 2022 (40 participants).
- 2021 **Co-organizer** of *Taal & Tongval 2021*, November 2021 (virtual; about 50 participants).

- 2020 **Scientific committee member** of ISSP2020, December 2020 (virtual; about 200 participants).
- 2018 **Co-organizer** of *Computational Linguistics in the Netherlands 29* (Groningen: January, 2019; about 200 participants).
- 2018 **Staff supervisor** of the 40th *TABU Dag* international linguistics conference (Groningen: June, 2019, about 130 participants).
- 2018 **Staff supervisor** of the 39th *TABU Dag* international linguistics conference (Groningen: June 14 and 15, 2018, about 130 participants).
- 2017 **Staff supervisor** of the 38th *TABU Dag* international linguistics conference (Groningen: June 22 and 23, 2017; about 150 participants).
- 2017 **Co-organizer** of the *International Workshop on Statistical Modeling* (Groningen: July 3-7, 2017; about 150 participants).
- 2014 **Member of the local committee** assisting in the organization of the *Methods in Dialectology XV* conference (Groningen: August 11-15, 2014; about 200 participants).
- 2012 **Co-organizer** of the *Generalized Additive Modeling – Mixed-Effects Regression (GAM-MER) Workshop* (Tübingen: November 12 and 13, 2012; about 40 participants).
- 2012 **Co-organizer** of the *Workshop on Quantitative Linguistics and Dialectology* (Groningen: June 29, 2012; about 30 participants).
- 2010 **Co-organizer** of the workshop *Bloomsday 2010: Echoes of Albion* about English-American speech relationships (Groningen: June 16, 2010; about 30 participants).
- 2009 **Co-organizer** of the 30th *TABU Dag* international linguistics conference (Groningen: June 11 and 12, 2009; about 175 participants).

Commissions of trust and coordination

- Since 2024 **Member of the board of Educational Cluster 3**, with 62 fte of staff, Faculty of Arts.
- Since 2018 **Member of the board of *Stichting Nederlandse Dialecten*** (since 2021: treasurer).
- Since 2017 **Member of the international steering committee of the *Methods in Dialectology* conference series** (the 2024 conference was held in Melbourne, Australia).
- 2022 **Member of the Selection Committee** of the Young Academy Groningen.
- 2022 – 2023 **Chair of ET3 and member of the Board of Examiners** of the Faculty of Arts.
- 2021 – 2022 **Member of the KNAW public engagement advisory council** “Gewaardeerd!”
- 2020 – 2021 **Member of the board of the Young Academy Groningen**, UG.
- 2018 – 2020 **Vice-chairman of *De Jonge Akademie***, Royal Netherlands Academy of Arts and Sciences (KNAW).
- 2017 – 2019 **Initiator, chair and member of the Young ARts Network**, UG.
- 2017 – 2018 **Member of the Board of Examiners CIW**, UG.
- 2017 – 2018 **Member of the Binding Study Advice Committee**, Faculty of Arts, UG.
- 2016 – 2018 **Chair of the science policy committee** of the *De Jonge Akademie*, KNAW.
- 2016 – 2018 **Member of the CLCG Linguistics Lunches committee**, Faculty of Arts, UG.
- 2015 – 2018 **Member of the Research Data Committee** of the Faculty of Arts, UG.
- 2015 – 2017 **Member of the grant decision committee** of *De Jonge Akademie*, KNAW.
- 2015 – 2016 **Member of the selection committee for the Young Academy Groningen**, UG.
- 2011 **Member of the selection committee** for three PhD positions at the CLCG, UG.
- 2010 – 2011 **Member of the CLCG colloquium organization committee**, UG.
- 2008 – 2012 **Member of the editorial advisory board** of the university newspaper (UK), UG.
- 2005 – 2012 **Initiator and Coordinator** of the ‘*Examentraining VWO*’ of the *UG/Progress Onderwijsondersteuning*. Since 2010, the project had a yearly budget of about € 200,000 with a yearly profit of approximately € 60,000. I was responsible for the management of the entire project (e.g., hiring teachers, PR, etc.).
- 2003 – 2004 **Student member of the University Council**, UG.
- 2002 – 2007 **Member of several UG committees**, such as the UG ICT Strategy committee.

Scientific editorial work

- Since 2021 **Member of the editorial board** of *Taal en Tongval* (OA)
- Since 2019 **Co-editor-in-chief** *Language Variation* series of *Language Science Press* (OA)

2018 – 2021 **Member of the editorial board** of *PLOS ONE* (OA)

Scientific reviewer (selection)

- Member of the *Fonds Wetenschappelijk Onderzoek – Vlaanderen* expert panel Linguistics (2018 – 2024).
- Panel member of the Veni Committee Linguistics, NWO (round 2018).
- Ext. member supervisory committee of Stefano De Pascale, KU Leuven (2017-2019).
- Reviewer for the *Fonds Wetenschappelijk Onderzoek – Vlaanderen* (2018).
- Reviewer for the *Social Sciences and Humanities Research Council of Canada* (2018).
- Referee for the *Netherlands Institute for Advanced Study* (since 2017).
- International panel member of one of 11 Multidisciplinary Assessment Committee (MAC) of the *Canada Foundation for Innovation* (550 million CAD\$; 2017, invited in 2019).
- Reviewer for the European Research Council (ERC Starting Grant, 2016).
- Member of the dissertation reading committee of Dr. Junru Wu (Leiden, promotores: Prof. Niels Schiller and Prof. Vincent van Heuven, co-promotor: Dr. Yiya Chen; promotion: 2015).
- Reviewer for the German Research Foundation (DFG; 2014 and 2015).
- International member of the Linguistics review panel, Hungarian Scientific Research Fund (2014, invited in 2015).
- Reviewer for the Hungarian Scientific Research Fund (2012 and 2013).
- Ad-hoc reviewer for various journals, including: *Cognitive Linguistics*, *IEEE Transactions on Education*, *Journal of Phonetics*, *Journal of the Acoustical Society of America*, *Language*, *Language Variation and Change*, *Language Dynamics and Change*, *LLC/Literary and Linguistic Computing*, *Molecular Autism*, *PLOS ONE*, *Psychophysiology* and *PNAS*.

Research supervision

- 9/2023 – 8/2028 **Promotor** (1st) of PhD student Katharina Polsterer together with Dr. Defne Abur, University of Groningen.
- 11/2023 – 10/2027 **Promotor** (1st) of PhD student (CSC grant) Yun Hao together with Dr. Rik van Noord and Dr. Wietse de Vries, University of Groningen.
- 2/2023 – 1/2027 **Promotor** (1st) of PhD student Reihaneh Amooie together with Dr. Jelske Dijkstra (Fryske Akademy) and Dr. Matt Coler (Campus Fryslân).
- 10/2022 – 9/2026 **Promotor** (1st) of PhD student Hedwig Sekeres together with Dr. Remco Knooihuizen, University of Groningen.
- 9/2025 – 8/2026 **Promotor** (2nd) of PhD student (sandwich project with Université Paris Cité) Caihong Weng together with Prof. Chittoran (Université Paris Cité) and Dr. Alexander Martin, University of Groningen.
- 9/2021 – 8/2025 **Promotor** (1st) of PhD student Thomas Tienkamp together with Dr. Defne Abur, Prof. Max Witjes (UMCG) and Dr. Sebastiaan de Visscher (UMCG), University of Groningen.
- 9/2021 – 8/2025 **Promotor** (2nd) of PhD student Iris Schepers together with Prof. Michel Vols, University of Groningen.
- 1/2020 – 12/2024 **Promotor** (external) of PhD student Janine Siewert at the University of Helsinki together with Prof. Jörg Tiedemann (first promotor) and Dr. Yves Scherrer (both University of Helsinki, Finland).
- 10/2020 – 9/2024 **Promotor** (1st) of PhD student Raoul Buurke together with Dr. Wilbert Heeringa (Fryske Akademy) and Dr. Remco Knooihuizen, University of Groningen.
- 9/2019 – 8/2024 **Promotor** (1st) of PhD student Teja Rebernik together with Dr. Roel Jonkers, University of Groningen and Dr. Aude Noiray, University of Potsdam.
- 9/2020 – 8/2024 **Promotor** (2nd) of PhD student Lourens Visser together with Prof. Jack Hoeksema (first promotor), University of Groningen.
- 9/2020 – 6/2024 **Promotor** (2nd) of PhD student Wietse de Vries together with Prof. Malvina Nissim (first promotor), University of Groningen. *PhD defended: June 6, 2024.*

- 9/2019 – 8/2023 **Promotor** (1st) of PhD student Martijn Bartelds together with Prof. Mark Liberman (University of Pennsylvania), University of Groningen. *PhD awarded (cum laude): November 16, 2023.*
- 10/2017 – 2/2022 **Promotor** (shared 1st) of PhD student Masha Medvedeva together with Prof. Michel Vols, University of Groningen. *PhD awarded: September 8, 2022.*
- 9/2017 – 8/2021 **Promotor** (1st) of IDEALAB PhD student Jidde Jacobi together with Prof. Ben Maassen, Dr. Roel Jonkers, Dr. Michael Proctor (Macquarie University, Sydney, Australia), University of Groningen. *PhD awarded: September 26, 2022.*
- 7/2015 – 6/2023 **Promotor** (1st) of PhD student Nienke Meulman with Prof. Monika Schmid (originally first promotor, University of Essex, United Kingdom), and Dr. Simone Sprenger (University of Groningen). *PhD awarded: June 1, 2023.*
- Since Sept. 2013 **(Co-)supervisor of several bachelor and master students.** I have (co-) supervised the thesis of over a dozen (research) master students in fields ranging from computational linguistics and dialectometry to clinical linguistics.
- 2017 – 2019 **Supervisor** of post-doc Dr. Aki Kunikoshi, University of Groningen.
- 2014 – 2017 **Scientific supervisor** of clinical psychologist in training, Ellen Jas (research report grade 8.5/10, this project also resulted in a collaborative publication).

Teaching

- Feb. 2025 **Investigating Language Variation and Change Quantitatively**, MA level course, for students of Information Science and the Research Master's.
- Since Feb. 2016 **Statistiek I**, BA level, about 75-150 students per year.
- 2018 – 2023 **Methodology and Statistics for Linguistic Research**, Research Master level, about 5-15 students per year.
- 2017 – 2022 **BCN Advanced (non)linear regression techniques in R**, PhD level, about 25-50 students per year.
- 2016 – 2022 **BCN Statistics Course**, PhD level, about 25-50 students per year.
- 2013 – 2017 **Supervision of PhD and Master students** in individual sessions about how to conduct an appropriate statistical analysis of their data.

Teaching innovation

- Jan. – June 2021 **Initiator, coordinator and evaluator** of a gather.town pilot (with ESI, k€ 70)
- Mar. – April 2020 **Initiator, coordinator and evaluator** of an online proctoring pilot (with ESI)

Publications (121; first author: 38)

(i) Peer-reviewed publications in scientific journals (59; first author: 18)

1. Brouwer, J., Buurke, R., van den Berg, F., Knooihuizen, R., Loerts, H., Bartelds, M., **Wieling, M.**, & Keijzer, M. (2024). Minority language happiness: the link between social inclusion, well-being, and speaking a regional language in the northern Netherlands. *Ampersand*, 12, 100173.
2. Buurke, R., Bartelds, M., Knooihuizen, R., & **Wieling, M.** (2024). Multiple estimates of the Frisian and Low Saxon speaker population size in the Netherlands. *Linguistic Minorities in Europe Online*, doi: 10.1515/lme.28672125.
3. Medvedeva, M., **Wieling, M.**, & Vols, M. (2023). Rethinking the field of automatic prediction of court decisions. *Artificial Intelligence and Law*, 31, 195-212.
4. Meulman, N., Schmid, M., Sprenger, S., & **Wieling, M.** (2023). GAM-based individual difference measures for L2 ERP studies. *Research Methods in Applied Linguistics*, 2(3), 100079.
5. Ori, A. P., **Wieling, M.**, Lifelines, C. R. I., & van Loo, H. M. (2023). Longitudinal analyses of

- depression, anxiety, and suicidal ideation highlight greater prevalence in the northern Dutch population during the COVID-19 lockdowns. *Journal of Affective Disorders*, 323, 62-70.
6. Schepers, I., Medvedeva, M., Bruijn, M., **Wieling, M.**, & Vols, M. (2023). Predicting citations in Dutch case law with natural language processing. *Artificial Intelligence and Law*, doi: 10.1007/s10506-023-09368-5.
 7. Buurke, R., & **Wieling, M.** (2023). Sound change estimation in Netherlandic regional languages: reducing inter-transcriber variability in dialect corpora. *Taal & Tongval*, 75(1), 7-28.
 8. Bartelds, M., de Vries, W., Sanal, F., Richter, C., Liberman, M., & **Wieling, M.** (2022). Neural representations for modeling variation in speech. *Journal of Phonetics*, 92, 101137.
 9. Rouse-Malpat, A., Steinkrauss, R., **Wieling, M.**, & Verspoor, M. (2022). Communicative language teaching: Structure-based or Dynamic Usage-Based?. *The Journal of EuroSLA*, 6(1), 20 - 33.
 10. Postma, D., **Wieling, M.**, Lemmink, K., & Zaal, F. (2022). Distance over time in a maximal sprint: understanding athletes' action boundaries in sprinting. *Ecological Psychology*, 34(4), 133 - 156.
 11. Buurke, R. S., Sekeres, H. G., Heeringa, W., Knooihuizen, R., & **Wieling, M.** (2022). Estimating the level and direction of aggregated sound change of dialects in the northern Netherlands. *Taal & Tongval*, 74(2), 183 - 214.
 12. Offrede, T., Jacobi, J., Rebernik, T., de Jong, L., Keulen, S., Veenstra, P., Noiray, A., & **Wieling, M.** (2021). The Impact of Alcohol on L1 vs. L2. *Language and Speech*, 64(3), 681-692. doi: 10.1177/0023830920953169.
 13. van Loo, H. M., Beijers, L., **Wieling, M.**, de Jong, T. R., Schoevers, R. A., & Kendler, K. S. (2021). Prevalence of internalizing disorders, symptoms and traits across age using advanced non-linear methods. *Psychological Medicine*. doi: 10.1017/S0033291721001148.
 14. Kliesch, M., Pfenninger, S., **Wieling, M.**, Stark, E., & Meyer, M. (2021). Cognitive benefits of learning additional languages in old adulthood? Insights from an intensive longitudinal intervention study. *Applied Linguistics*, 43(4), 653-676.
 15. Rebernik, T., Jacobi, J., Jonkers, R., Noiray, A., & **Wieling, M.** (2021). A review of data collection practices using electromagnetic articulography. *Laboratory Phonology*, 12(1), 6. doi: 10.5334/labphon.237.
 16. Rebernik, T., Jacobi, J., Tiede, M., & **Wieling, M.** (2021). Accuracy assessment of two electromagnetic articulographs: NDI Wave and NDI Vox. *Journal of Speech, Language, and Hearing Research*, 64(7), 2637-2667.
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(ii) Peer-reviewed publications in edited books (12; first author: 4)

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(iii) Peer-reviewed publications in conference proceedings (full papers) (47; first author: 14)

1. Halpern, B., Tienkamp, T., Huang, W., Violeta, L., Rebernik, T., de Visscher, S., Witjes, M., **Wieling, M.**, Abur, D., & Toda, T. (2024, forthcoming). Quantifying the effect of speech pathology on automatic and human speaker verification. Proceedings of Interspeech 2024.
2. Hao, Y., de Vries, W., Tienkamp, T., van Noord, R., & **Wieling, M.** (2024, forthcoming). Exploring self-supervised speech representations for cross-lingual acoustic-to-articulatory inversion. Proceedings of Interspeech 2024.

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4. Sekeres, H., Heeringa, W., de Vries, W., Zwagers, O., [Wieling, M.](#), & Jensma, G. (2024). Developing infrastructure for low-resource language corpus building. In: Maite Melero, Sakriani Sakti, & Claudia Soria (eds.) Proceedings of the 3rd Annual Meeting of the Special Interest Group on Under-resourced Languages at LREC-COLING 2024, ELRA and ICCL, pp. 72-78.
5. Hoekzema, N., Rebernik, T., Tienkamp, T., Chaboksavar, S., Ciot, V., Gleichman, A., Jonkers, R., Noiray, A., [Wieling, M.](#), & Abur, D. (2024). Assessing differences in articulatory-acoustic vowel space in Parkinson's Disease by sex and phenotype. In: Cécile Fougeron, & Pascal Perrier (eds.) Proceedings of the 13th International Seminar of Speech Production, pp. 69-72.
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8. [Wieling, M.](#), Rebernik, T., & Jacobi, J. (2023). SPRAAKLAB: a mobile laboratory for collecting speech production data. 20th International Congress of Phonetic Sciences, pp. 2060-2064.
9. Rebernik, T., Tienkamp, T. B., Polsterer, K. M., Hukker, V., Medvedeva, M., van der Ploeg, M., Schepers, I., Sekeres, H., de Vries, W., Abur, D., Jonkers, R., Noiray, A., & [Wieling, M.](#) (2023). 5-minute formant adaptation task in Dutch children. 20th International Congress of Phonetic Sciences, pp. 923-927.
10. de Vries, W., [Wieling, M.](#), & Nissim, M. (2023). DUMB: A Benchmark for Smart Evaluation of Dutch Models. Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing, pp. 7221-7241.
11. Bartelds, M., San, N., McDonnell, B., Jurafsky, D., & [Wieling, M.](#) (2023). Making more of little data: Improving low-resource automatic speech recognition using data augmentation. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pp. 715-729.
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15. de Vries, W., [Wieling, M.](#), & Nissim, M. (2022). Make the best of cross-lingual transfer: Evidence from POS tagging with over 100 languages. Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pp. 7676-7685.
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17. Medvedeva, M., Üstün, A., Xu, X., Vols, M., & **Wieling, M.** (2021). Automatic judgement forecasting for pending applications of the European Court of Human Rights. *Proceedings of the Fifth Workshop on Automatec Semantic Analysis of Information in Legal Text (ASAIL 2021)*, pp. 12 - 23.
18. Medvedeva, M., Dam, T., **Wieling, M.**, & Vols, M. (2021). Automatically identifying eviction cases and outcomes within case law of Dutch Courts of First Instance. In: Erich Schweighofer (eds.) *Legal Knowledge and Information Systems*, IOS Press, pp. 13-22.
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23. **Wieling, M.**, Tiede, M., Rebernik, T., de Jong, L., Braggaar, A., Bartelds, M., Medvedeva, M., Heisterkamp, P., Freire Offrede, T., Sekeres, H., Pot, A., van der Ploeg, M., Volkers, K., & Mills, G. (2020). A novel paradigm to investigate phonetic convergence in interaction. *Proceedings of the 12th International Seminar on Speech Production*, pp. 1 - 4.
24. Bartelds, M., de Vries, W., Richter, C., Liberman, M., & **Wieling, M.** (2020). Measuring foreign accent strength using an acoustic distance measure. *Proceedings of the 12th International Seminar on Speech Production*, pp. 17 - 20.
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26. Jacobi, J., Rebernik, T., Jonkers, R., Maassen, B., Proctor, M., & **Wieling, M.** (2020). Characterizing tongue tremor in Parkinson's disease using EMA. *Proceedings of the 12th International Seminar on Speech Production*, pp. 80 - 83.
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29. Sivaraman, G., Espy-Wilson, C., & **Wieling, M.** (2017). Analysis of acoustic-to-articulatory speech inversion across different accents and languages. *Proceedings of Interspeech 2017*, pp. 974 - 978.
30. Kulmizev, A., Blankers, B., Bjerva, J., Nissim, M., van Noord, G., Plank, B., & **Wieling, M.** (2017). The power of character n-grams in native language identification. *Proceedings of the 12th Workshop on Innovative Use of NLP for Building Educational Applications*, pp. 382 - 389.
31. Cimino, A., **Wieling, M.**, Dell'Orletta, F., Montemagni, S., & Venturi, G. (2017). Identifying predictive features for textual genre classification: the key role of syntactic features. *Proceedings of the Fourth Italian Conference on Computational Linguistics*, Paper 39.
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37. [Wieling, M.](#), Veenstra, P., Adank, P., Weber, A., & Tiede, M. (2015). Comparing L1 and L2 speakers using articulography. *Proceedings of ICPhS 2015*, Paper 551.
38. Tomaschek, F., Tucker, B. V., [Wieling, M.](#), & Baayen, R. H. (2014). Vowel articulation affected by word frequency. *Proceedings of the 10th International Seminar on Speech Production*, pp. 429 - 432.
39. Dell'Orletta, F., [Wieling, M.](#), Cimino, A., Venturi, G., & Montemagni, S. (2014). Assessing the readability of sentences: which corpora and features?. *Proceedings of the 9th Workshop on Innovative Use of NLP for Building Educational Applications*, pp. 163 - 173.
40. Tomaschek, F., [Wieling, M.](#), Arnold, D., & Baayen, R. H. (2013). Word frequency, vowel length and vowel quality in speech production: an EMA study of the importance of experience. *Proceedings of Interspeech 2013*, pp. 1302 - 1306.
41. [Wieling, M.](#), & Nerbonne, J. (2010). Hierarchical spectral partitioning of bipartite graphs to cluster dialects and identify distinguishing features. *Proceedings of the 2010 Workshop on Graph-based Methods for Natural Language Processing*, pp. 33 - 41.
42. Prokić, J., [Wieling, M.](#), & Nerbonne, J. (2009). Multiple sequence alignments in linguistics. *Proceedings of the EACL 2009 Workshop on Language Technology and Resources for Cultural Heritage, Social Sciences, Humanities, and Education*, pp. 18 - 25.
43. [Wieling, M.](#), & Nerbonne, J. (2009). Bipartite spectral graph partitioning to co-cluster varieties and sound correspondences in dialectology. *Proceedings of the 2009 Workshop on Graph-based Methods for Natural Language Processing*, pp. 14 - 22.
44. [Wieling, M.](#), Prokić, J., & Nerbonne, J. (2009). Evaluating the pairwise string alignment of pronunciations. *Proceedings of the EACL 2009 Workshop on Language Technology and Resources for Cultural Heritage, Social Sciences, Humanities, and Education*, pp. 26 - 34.
45. [Wieling, M.](#), & Nerbonne, J. (2007). Dialect pronunciation comparison and spoken word recognition. *Proceedings of the RANLP 2007 Workshop on Computational Phonology*, pp. 71 - 78.
46. [Wieling, M.](#), Leinonen, T., & Nerbonne, J. (2007). Inducing Sound Segment Differences using Pair Hidden Markov Models. *Proceedings of Ninth Meeting of the ACL Special Interest Group in Computational Morphology and Phonology*, pp. 48 - 56.
47. [Wieling, M.](#), Nederhof, M., & van Noord, G. (2006). Parsing partially bracketed input. *Proceedings of the Sixteenth Computational Linguistics in the Netherlands*, pp. 1 - 16.

(iv) **Books** (2; first author: 2)

1. [Wieling, M.](#), Kroon, M., van Noord, G., & Bouma, G. (eds.) (2017). *From Semantics to Dialectometry. Festschrift in Honor of John Nerbonne*. Tributes 32, College Publications. 418 pp.
2. [Wieling, M.](#) (2012). *A Quantitative Approach to Social and Geographical Dialect Variation*. PhD thesis, University of Groningen. 178 pp.

(v) **R package** (1)

1. van Rij, J., **Wieling, M.**, Baayen, R. H., & van Rij, H. (2020). *itsadug: Interpreting Time Series and Autocorrelated Data Using GAMMs*. Version 2.4.

Presentations (103)

(i) **Invited presentations and courses** (41)

1. *How popularization and quantification may benefit language variation research(ers)* (presentation). 12th International Conference on Language Variation in Europe (ICLaVE), Vienna, Austria, July 8 - 11, 2024.
2. *Public engagement in speech research: Some examples and (potential) benefits* (presentation). Summer School on Coping with the complexity in speech production and perception, Chorin, Germany, July 8, 2022.
3. *Approaches to investigating language variation and supporting minority languages* (presentation). University of Helsinki, (online), April 15, 2021.
4. *GAM consultation* (course). Walter Reed National Military Medical Center (Stephanie Kuchinsky), (online), March 21 - June 2, 2021.
5. *GAM Workshop* (course). Universität Zürich, (online), December 7, 2020.
6. *Generalized additive modeling* (course). University of Salzburg, Salzburg, Austria, November 21 - 22, 2019.
7. *The beauty of dialect variation* (presentation). Festival della Scienza, Genua, Italy, October 27, 2019.
8. *Investigating pronunciation variation from an aggregate perspective: from dialectometry to articulography (keynote)* (presentation). Conference on Experimental Approaches to Perception and Production of Language Variation (ExAPP), Münster, Germany, September 26 - 28, 2019.
9. *Dialectometry: modeling the influence of geography in dialect variation* (presentation). University of Oldenburg, Oldenburg, Germany, July 4, 2019.
10. *Dialectometry* (course). University of Malta, Malta, June 27 - 28, 2019.
11. *Generalized additive modeling to analyze time series* (presentation). Vrije Universiteit Brussel, Brussel, Belgium, October 2, 2018.
12. *Dialectometry* (course). Linguistic Convergence Laboratory, Higher School of Economics, Moscow, Russia, September 10 - 14, 2018.
13. *Generalized additive modeling for phonetics* (course). Humboldt-Universität zu Berlin, Institut für deutsche Sprache und Linguistik, Berlin, Germany, August 30 - 31, 2018.
14. *(Mixed-effects) regression and generalized additive modeling* (course). Universität Stuttgart, Stuttgart, Germany, May 3 - 4, 2018.
15. *Statistics for Linguistics* (course). LOT Winter School, Amsterdam, January 8 - 12, 2018.
16. *Generalized additive modeling* (presentation). Institut für Phonetik und Sprachverarbeitung, Ludwig-Maximilians-Universität München, Munich, Germany, December 20, 2017.
17. *Generalized additive modeling* (presentation). Winter School on Multilingualism, Groningen, November 9 - 10, 2017.
18. *Quantitative analyses of dialect variation* (presentation). Meertens Instituut, Amsterdam, October 24, 2017.
19. *Discovering articulatory patterns using generalized additive modeling* (presentation). Dynamic Modeling III workshop, Cologne, Germany, July 18 - 19, 2017.
20. *Generalized additive modeling as a useful tool for dialectometry* (presentation). Sociolectometry Panel, ICLaVE, Málaga, Spain, June 6 - 9, 2017.
21. *Statistics for linguists in R* (course). Istituto di Linguistica Computazionale, Consiglio Nazionale

- delle Ricerche, Pisa, Italy, May 2 - 5, 2017.
22. *Mixed-effects regression and generalized additive modeling* (course). Centre de Recherche Cerveau & Cognition, Toulouse, France, March 30 - 31, 2017.
 23. *Using generalized additive modeling for analyzing articulatory data (and other time series data)* (presentation). 5th International Winterschool "Speech Perception and Production", Chorin, Germany, January 9 - 13, 2017.
 24. *Modeling the influence of geography in dialect variation* (presentation). FLAMES-colloquium "Topics for Spatial Statistics", Leuven, Belgium, November 28, 2016.
 25. *Investigating language variation quantitatively* (presentation). EuroScience Open Forum 2016, Manchester, United Kingdom, July 23 - 27, 2016.
 26. *Pronunciation variation on the tip of the tongue* (presentation). BCN Winter meeting, Groningen, February 11, 2016.
 27. *Investigating language variation using articulatory data* (presentation). Netherlands Cancer Institute, Amsterdam, October 13, 2015.
 28. *Generalized additive modeling* (course). McGill, Neurocognition of Language Lab, Montréal, Canada, March 20 - 22, 2015.
 29. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Tübingen, Englisch Seminar, Tübingen, Germany, February 9 - 10, 2015.
 30. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, February 2 - 3, 2015.
 31. *Mixed-effects regression and generalized additive modeling for linguists* (course). University of Cambridge, Department of Theoretical and Applied Linguistics, Cambridge, United Kingdom, January 13 - 14, 2015.
 32. *Methods in Dialectometry* (presentation). Ghent University, Department of Linguistics, Ghent, Belgium, October 16, 2014.
 33. *Comparing pronunciations on the basis of transcriptions and articulatory data* (presentation). Radboud University, Centre for Language Studies, Nijmegen, October 15, 2014.
 34. *What the tongue can tell us about dialects?* (presentation). Frontiers of Language Variation Workshop, Methods in Dialectology XV, Groningen, August 11 - 14, 2014.
 35. *Generalized additive modeling for linguists* (course). University Leiden, Center of Linguistics, Leiden, July 10 - 11, 2014.
 36. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, June 30 - July 1, 2014.
 37. *Introduction to mixed-effects regression for (psycho)linguists* (presentation). IMS Stuttgart, Stuttgart, Germany, December 16, 2013.
 38. *Integrating traditional dialectology and sociolinguistics: generalized additive modeling* (presentation). New Ways of Analyzing Variation (NWAV) 42, Pittsburgh, USA, October 17 - 20, 2013 [with R. Harald Baayen].
 39. *Inducing and using phonetic similarity* (presentation). Language Diversity Conference, Groningen, July 20, 2013 [with John Nerbonne].
 40. *A sociolinguistic analysis of linguistically sensitive dialectal word pronunciation distances* (presentation). Workshop on Computational Approaches to the Study of Dialectal and Typological Variation, ESSLLI 2012, Opole, Poland, August 6 - 10, 2012.
 41. *Mixed-effects regression analyses of eyetracking data* (presentation). Eye-tracking and EEG workshop, Groningen, July 7, 2011.

(ii) Presentations at conferences, guest lectures and courses (62)

1. *SPRAAKLAB: a mobile laboratory benefitting dialect data collection* (presentation). Methods in Dialectology XVIII, Melbourne, Australia, July 1 - 4, 2024.

2. *SPRAAKLAB: a mobile laboratory for collecting speech production data* (presentation). 20th International Congress of Phonetic Sciences, Prague, Czech Republic, August 7 - 11, 2023.
3. *Van Old naar Jong: an app en teaching programme to teach children about the regional language* (presentation). Oldenburg-Groningen scientific exchange, Oldenburg, June 16, 2022.
4. *A novel paradigm to investigate phonetic convergence in interaction* (poster presentation). 12th International Seminar on Speech Production, online, December 18, 2020.
5. *The influence of alcohol on L1 vs. L2 pronunciation* (poster presentation). 19th International Congress of Phonetic Sciences, Melbourne, Australia, August 5 - 9, 2019.
6. *The beauty of language variation* (presentation). AGM Global Young Academy, Halle, Germany, May 2, 2019.
7. *Generalized additive modeling* (guest lecture). University of Auckland, Auckland, New Zealand, December 12, 2018.
8. *Tutorial on generalized additive modelling to analyze time-series data* (course). 17th Speech Science and Technology Conference, Coogee, Australia, December 4, 2018.
9. *Generalized additive modeling* (guest lecture). Centre for Language Sciences, Macquarie University, Sydney, Australia, December 3, 2018.
10. *Generalized additive modeling to analyze articulatory data* (guest lecture). Department of Information and Communication Engineering, University of Tokyo, Tokyo, Japan, November 5, 2018.
11. *Introductory course on Advanced Regression Methods for Linguistics* (course). ESSLLI 2018, Sofia, Bulgaria, August 6 - 10, 2018.
12. *Articulatory differences between L1 and L2 speakers of English* (presentation). Conference on Multilingualism, Groningen, November 6 - 9, 2017.
13. *Articulatory differences between L1 and L2 speakers of English* (presentation). 11th International Seminar on Speech Production, Tianjin, China, October 16 - 19, 2017.
14. *Dialect-specific articulatory settings* (presentation). Methods in Dialectology XVI, Tokyo, Japan, August 7 - 11, 2017.
15. *Articulatory differences between L1 and L2 speakers of English* (poster presentation). 7th International Conference on Speech Motor Control, Groningen, July 5 - 8, 2017.
16. *Determinants of English Accents* (presentation). 6th Conference on Quantitative Investigations in Theoretical Linguistics, Tübingen, Germany, November 4 - 6, 2015.
17. *Taalvariatie: patronen in uitspraak en tongbewegingen* (guest lecture). De Jonge Akademie meeting, Groningen, September 21, 2015.
18. *Investigating dialectal differences using articulography* (poster presentation). 18th International Congress of Phonetic Sciences, Glasgow, United Kingdom, August 10 - 14, 2015.
19. *Analyzing time series data using generalized additive modeling* (course). LSA Institute, Chicago, USA, July 6 - 17, 2015 [with Jacolien van Rij].
20. *Measuring foreign accent strength* (guest lecture). University of Cambridge, Department of Theoretical and Applied Linguistics, Cambridge, United Kingdom, January 13, 2015.
21. *Patterns of language variation* (guest lecture). Digital Humanities Day 2014, Groningen, October 31, 2014.
22. *Gabmap tutorial* (guest lecture). Ghent University, Department of Linguistics, Ghent, Belgium, October 15, 2014.
23. *Comparing dialect and accented pronunciations on the basis of transcriptions and articulography* (guest lecture). McGill, Center of Research on Brain, Language and Music, Montréal, Canada, September 18, 2014.
24. *Analyzing linguistic time-series data with generalized additive modeling in R: a case study using ERP data* (guest lecture). McGill, Motor Control Laboratory, Montréal, Canada, September 17, 2014.
25. *Comparing dialect and accented pronunciations on the basis of transcriptions and*

- articulography* (guest lecture). Linguistic Data Consortium, Philadelphia, USA, September 12, 2014.
26. *Generalized additive models in R* (guest lecture). Haskins Laboratories, New Haven, USA, September 9, 2014.
 27. *Validating and using the PMI-based Levenshtein distance as a measure of foreign accent strength* (poster presentation). Methods in Dialectology XV, Groningen, August 11 - 15, 2014 [**best poster award**].
 28. *Accessing large dialect databases on RADAR* (presentation). Methods in Dialectology XV, Groningen, August 11 - 14, 2014 [with Clive Upton].
 29. *Large-scale analysis of articulatory trajectories using generalized additive modeling* (poster presentation). 10th International Seminar on Speech Production, Cologne, Germany, May 5 - 8, 2014.
 30. *Comparing pronunciations on the basis of transcriptions and articulography* (guest lecture). University College London, Department of Speech Hearing and Phonetic Sciences, London, United Kingdom, April 8, 2014.
 31. *Articulography for studying language variation* (guest lecture). Haskins Laboratories, New Haven, USA, October 24, 2013.
 32. *Articulography for studying language variation* (guest lecture). City University New York, Speech Production, Acoustics and Perception Laboratory, New York, USA, October 16, 2013.
 33. *A cognitively grounded measure of pronunciation distance* (presentation). Donders Workshop, Radboud University, Nijmegen, September 23, 2013 - September 8, 2024.
 34. *A cognitively grounded automatic measure of pronunciation distance* (presentation). 5th Conference on Quantitative Investigations in Theoretical Linguistics, Leuven, Belgium, September 12 - 14, 2013.
 35. *Hierarchical spectral partitioning of bipartite graphs to cluster dialects and identify distinguishing features* (guest lecture). Istituto di Linguistica Computazionale, Consiglio Nazionale delle Ricerche, Pisa, Italy, July 17, 2013.
 36. *Comparing pronunciation on the basis of transcriptions and articulography* (guest lecture). Università di Pisa, Dipartimento di Filologia, Letteratura e Linguistica, Pisa, Italy, July 16, 2013.
 37. *Mixed-effects regression and generalized additive modeling in linguistics* (course). LOT Summer School, Groningen, June 24 - 28, 2013 [with Jacolien van Rij].
 38. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (poster presentation). Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2012.
 39. *Lexical differences between Tuscan dialects and standard Italian: a sociolinguistic analysis using generalized additive mixed modeling* (presentation). Leuven Statistics Days, Leuven, Belgium, June 7 - 8, 2012.
 40. *A quantitative investigation of English accents* (poster presentation). BCN New Year's Meeting, Groningen, February 2, 2012 [**best poster award**].
 41. *Segment distances and foreign accents* (guest lecture). LOT Winter School, Tilburg, January 12, 2012.
 42. *Gabmap tutorial* (guest lecture). Göteborgs Universitet, Gothenburg, Sweden, October 26, 2011 [with John Nerbonne and Therese Leinonen].
 43. *Inducing a measure of phonetic similarity from dialect variation* (presentation). Workshop on Comparing Approaches to Measuring Linguistic Differences, Gothenburg, Sweden, October 24 - 25, 2011.
 44. *A sociolinguistic analysis of aggregate dialect distances* (presentation). Methods in Dialectology XIV, London (ON), Canada, August 1 - 5, 2011.
 45. *A sociolinguistic analysis of dialect distances* (poster presentation). BCN New Year's Meeting, Groningen, February 17, 2011.

46. *On the sublinear distribution of linguistic variation with respect to geography* (presentation). Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2010.
47. *Dialectometry and hierarchical bipartite spectral graph partitioning* (guest lecture). Makerere University, Department of Machine Learning, Kampala, Uganda, September 23, 2010.
48. *Text Manipulation and Hidden Markov Models* (course). Makerere University, College of Computing and Information Sciences, Kampala, Uganda, September 20 - 22, 2010.
49. *Modelling geography's influence on language variation: calibrating linguistic measurements* (presentation). Cultural Evolution in Spatially Structured Populations Conference, London, United Kingdom, September 13 - 15, 2010.
50. *Dialectometry in Groningen* (guest lecture). University of Alberta, Department of Linguistics, Edmonton, Canada, August 11, 2010.
51. *Hierarchical bipartite spectral graph partitioning to cluster dialect varieties and determine their most important linguistic features* (presentation). TextGraphs-5 ACL Workshop, Uppsala, Sweden, July 16, 2010.
52. *A graph-theoretic analysis of English dialects* (presentation). Bloomsday 2010: Echoes of Albion Workshop, Groningen, June 16, 2010.
53. *On the sublinear distribution of linguistic variation with respect to geography* (presentation). 31st TABU Dag, Groningen, June 3 - 4, 2010.
54. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (presentation). Computational Linguistics in The Netherlands 20, Utrecht, February 5, 2010 - September 8, 2024.
55. *Understanding Séguy's law: on the sublinear distribution of linguistic variation with respect to geography* (presentation). Past and Present Processes of Dialect Convergence: Data and Methods, Amsterdam, February 4, 2010 [with John Nerbonne].
56. *Bipartite spectral graph partitioning to co-cluster varieties and sound correspondences in dialectology* (presentation). TextGraphs-4 ACL Workshop, Singapore, August 7, 2009.
57. *Tools for detecting geographical and structural affinities* (presentation). Workshop on Small Tools for Cross-Linguistic Research, Utrecht, June 15 - 16, 2009.
58. *Evaluating the pairwise string alignment of pronunciation* (presentation). EACL Workshop on Language Technology and Resources for Cultural Heritage, Social Sciences, Humanities, and Education, Athens, Greece, March 30, 2009.
59. *Evaluation of pairwise string alignment methods* (presentation). Computational Linguistics in the Netherlands 19, Groningen, January 22, 2009.
60. *Dialect pronunciation comparison using the Goeman-Taeldeman-Van Reenen-project data* (presentation). Computational Linguistics in the Netherlands 17, Leuven, Belgium, January 12, 2007.
61. *Parsing partially bracketed input* (presentation). Computational Linguistics in the Netherlands 16, Amsterdam, December 16, 2005.
62. *Gabor filtering augmented with surround inhibition for improved contour detection by texture suppression* (poster presentation). 27th Annual Meeting of the European Conference on Visual Perception, Budapest, Hungary, August 22 - 26, 2004.

Outreach

(i) Popular science publications

- Raoul Buurke, Hedwig Sekeres, Lourens Visser and Martijn Wieling (2024). *Streektaalstrijd: een strategisch kennisspel over taal en dialect*, Dongen: Wink Games, Tweede druk. Website: <https://www.streektaalstrijd.nl>.
- Lespakket Van Old naar Jong: Achterhooks, lesson set, University of Groningen, 2022.

Available via <https://www.rug.nl/lespakketten>.

- Dialect digitaal: nieuwe kansen voor streektaalgebruik en -onderzoek, inaugural lecture booklet, University of Groningen, 2022. Available at <https://books.ugp.rug.nl/index.php/ugp/catalog/book/75>.
- Lespakket Van Old noar Jongs, lesson set, University of Groningen, 2021. Available via <https://www.rug.nl/lespakketten>.
- "Wie zeggen het vaakst EUHM? Jongens of meisjes?", *Science box, Experiment Event*, De Jonge Akademie, 2018.
- Several contributions (with others), *Young Scientist Wetenschapskalender 2018*, New Scientist.
- Martin & Emma investigate the Dutch dialect landscape, comic, The Young Academy, 2017. Available at <http://www.martijnwieling.nl/comic>.
- Martin & Emma onderzoeken het Nederlandse dialectlandschap, comic, De Jonge Akademie, 2017. Available at <http://www.martijnwieling.nl/strip>.
- "Gebruiken mensen hun ogen om te luisteren?", *Wetenschapskalender kids 2017*, New Scientist.
- Dialectometrische indeling van de Nederlandse dialecten (with Peter Kleiweg and John Nerbonne), Nicoline van der Sijs (ed.) *Dialectatlas van het Nederlands*, Prometheus Bert Bakker, Amsterdam, pp. 60-61, 2011.

(ii) Popular science presentations

- *SPRAAKLAB: een uniek mobiel laboratorium voor taalonderzoek en zichtbaarheid van de wetenschap* (invited), Opening House of Connections, Groningen, June 24, 2023.
- *Streektaalonderwijs en -onderzoek: Van Old noa/aor Jong* (invited), Studiedag Levende Talen Nedersaksisch, Mañana Mañana festival, Laren, June 9, 2023.
- *Van Old noar Jong: app en lesprogramma voor het Gronings* (invited), GRN Festival, Hoogezand, November 19, 2022.
- *Hoe talen geleidelijk kunnen veranderen, maar snel kunnen verdwijnen* (invited), Zwarte Cross, Lichtenvoorde, July 15, 2022.
- *Onderzoek doen naar dialectvariatie* (invited), Streekhistorisch Centrum Stadskanaal, Stadskanaal, May 15, 2022.
- *Panel member: Kunnen podcasts dialect in stand houden?* (invited), Podcastfestival Groningen, Groningen, September 18, 2020.
- *Van Old noar Jong* (invited), Dag van de Grunneger Toal, Groningen, March 16, 2019.
- *Taalvariatie en taalverandering in Nederland* (invited), CSG Guido de Brès, Amersfoort, March 10, 2017.
- *My career as a scientist* (invited), KEI to your future event, Groningen, August 16, 2016.
- *Taalvariatie en taalverandering in Nederland* (invited), Theatre festival Oerol, Terschelling, June 13, 2016.
- *Taalvariatie op de tong*, NWO Bessensap, Amsterdam, June 10, 2016.
- *Het verstrijken van de taal*, De Jonge Akademie interscience symposium "Tijd", Amsterdam, April 4, 2016 [with John Nerbonne].
- *Van dialecten tot accenten: variatie en verandering in uitspraak en tongbewegingen*, Nacht van de Kunst en Wetenschap (pop-up lecture), Groningen, June 6, 2015.
- *Talkshow guest* (invited), Stand van Stad, Groningen, September 28, 2014.


(iii) Media coverage (24 out of 161; see www.martijnwieling.nl/media)

1. Hoe kunnen we de streektalen nog ietsje overeind houden? Met een bordspel, hopen ze in Groningen (newspaper), *De Volkskrant*, February 22, 2024.
2. Streektaalstrijd: Een spel om streektalen te laten voortbestaan (radio), *Radio 5*, February 21,

- 2024.
3. Zwarte Cross biedt cursus Achterhoeks: "Belangrijk om door te geven" (TV), *RTL Nieuws*, July 15, 2022.
 4. Basisschoolleerlingen leren 'plat proaten' met Achterhoeks lespakket (Radio), *NPO Radio 1*, May 14, 2022.
 5. Kinderen in Groningen leren wat 'kopstubber' en 'bozzem' zijn (TV), *NOS Jeugdjournaal*, October 28, 2021.
 6. Rijksuniversiteit Groningen neemt rijdend laboratorium in gebruik voor taalkundig onderzoek (online), *Dagblad van het Noorden*, February 17, 2021.
 7. Robot weet welke uitspraak het hof zal doen (newspaper), *NRC*, December 30, 2020.
 8. Mis je sociaal contact tijdens je werk? Met dit virtuele 'game'-kantoor maakt thuiswerker Martijn Wieling zijn baan in coronatijd weer leuk (newspaper), *Dagblad van het Noorden*, November 17, 2020.
 9. Biertje op? Schakel over naar een tweede taal! (online), *NewScientist*, September 21, 2020.
 10. Lowlands is een prachtlab vol enthousiaste proefkonijnen (newspaper), *Trouw*, August 16, 2019.
 11. Techreus stopt 30.000 euro in onderwijsproject Groningse taal (online), *NOS.nl*, July 22, 2019.
 12. Het Gronings brengt mensen op een positieve manier bij elkaar (newspaper), *Dagblad van het Noorden*, March 2, 2019.
 13. Onderzoek op Lowlands: helpt alcohol bij taalgevoel? (newspaper), *De Telegraaf*, August 18, 2018.
 14. Babbelen dronken Lowlandsgangers vlotter Engels? (online), *NOS op 3*, August 17, 2018.
 15. Spraakecho met dubbele tong (newspaper), *Dagblad van het Noorden*, August 9, 2018.
 16. Taalwetenschapper verstript zijn onderzoek (newspaper), *Dagblad van het Noorden*, December 8, 2017.
 17. De stille opmars van ...ehm (newspaper), *NRC & nrc.next*, January 5, 2017.
 18. The best age to learn a second language (online), *The Independent*, February 8, 2016.
 19. Hoe bewegen tong en lippen bij het spreken? (magazine), *New Scientist*, September 1, 2015.
 20. Het dialectverschil zit 'm in de tong (TV), *RTV Noord: Noord Vandaag*, May 12, 2015.
 21. Dit is waarom jouw Engels niet goed klinkt (online), *NOS op 3*, May 12, 2015.
 22. Wetenschap: de mysteries van de spraak (radio), *NPO Radio 1: NOS - Wetenschap op woensdag*, April 8, 2015.
 23. Why we are saying 'uh' less and 'um' more (online), *BBC*, February 8, 2015.
 24. To um or to er? Studies probe how brains fill the speech-thought gap (online), *The Times*, October 4, 2014.

Impact (most-cited publications)

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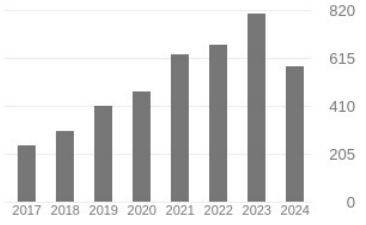
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| 373 | Using machine learning to predict decisions of the European Court of Human Rights M Medvedeva, M Vols, M Wieling Artificial Intelligence and Law 28 (2), 237-266 | 2020 |
| 373 | Analyzing dynamic phonetic data using generalized additive mixed modeling: a tutorial focusing on articulatory differences between L1 and L2 speakers of English M Wieling Journal of Phonetics 70, 86-116 | 2018 |
| 326 | The impact of online video lecture recordings and automated feedback on student performance MB Wieling, WHA Hofman Computers & Education 54 (4), 992-998 | 2010 |
| 202 | Quantitative social dialectology: Explaining linguistic variation geographically and socially M Wieling, J Nerbonne, RH Baayen PloS one 6 (9), e23613 | 2011 |
| 177 | How to analyze linguistic change using mixed models, Growth Curve Analysis and Generalized Additive Modeling B Winter, M Wieling Journal of Language Evolution 1 (1), 7-19 | 2016 |

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John Nerbonne
 CLCG, University of Groningen

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