

# Curriculum vitae: Martijn Wieling

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## Personal information

Date of birth: March 18, 1981  
Place of birth: Emmen  
Nationality: Dutch  
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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 € 1,000,000, among which
  - NWO Rubicon grant (€ 60,000)
  - NWO Veni grant (€ 250,000)
  - NWO PhD in the Humanities grant (€ 250,000)
- **Since 2018:** Professor by special appointment of Low Saxon/Groningen Language & Culture Associate professor (tenured) Information Science, UG
  - Supervision: 1 postdoc, 7 PhD students, several MA students
  - Teaching (with UTQ): Several statistics courses at BA, MA and PhD-level
- **2015:** Member of *De Jonge Akademie*, Royal Netherlands Academy of Arts and Sciences
- **2016:** Founding member of the Young Academy Groningen, UG (since 2020: board member)
- **2016:** European Young Research Award, EuroScience
- **2017:** Committee member for the Canada Foundation for Innovation (total grants: M\$550)
- **2018:** Vice-chairman of *De Jonge Akademie*, KNAW (until 4/2020)
- **2018:** Member of the editorial board of PLOS ONE (Open Access)
- **2019:** Co-editor-in-chief Language Variation series in Language Science Press (Open Access)
- **2019:** Member NWO Veni panel Linguistics
- **2021:** Member of the editorial board of *Taal en Tongval*
- **2019-2021:** Member of the *FWO (Flanders)* expert panel Linguistics
- **2019-2024:** Member of the *Global Young Academy*
- **Outreach:** Presentations and publications (including a *comic*) and 100+ media items
- **Scientific output:**
  - **~90 peer-reviewed publications**, several in 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*
  - **Monograph contract at Cambridge University Press:** *Regional Dialectology: Quantitative Approaches using R* (with Jack Grieve, University of Birmingham)
  - **90+ 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*.  
Promotores: 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** (0.6 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** (UD1, 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 articuography*. 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: > € 1,100,000)

- 2021 **CIT Data Science Grant** (€ 25,000; with Prof. dr. Jenny van Doorn), University of Groningen. Project title: *Dialects of Groningen: from text to speech*.
- 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** (€ 16,000), 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 articulatory 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 Computazionale*, 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 articulatory*.
- 2013 **Short Term Mobility Grant** (€ 2100) of the *Consiglio Nazionale delle Ricerche* awarded for a two-week research visit to *Istituto di Linguistica Computazionale*, 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 Computazionale*, 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

- 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 (since April 2018).
- 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.

- 2015 **Member of the *De Jonge Akademie***, a national group of 50 young (up to 10 years after PhD) promising scientists. *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

- 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 2014 Research collaboration with **Prof. Simon Wood** (University of Bristol, United Kingdom), **Prof. R. Harald Baayen** (University of Tübingen, Germany) and **Dr. Jacolien van Rij** (University of Groningen) on writing a book on using generalized additive modeling in Linguistics (several weeks in Groningen, Tübingen, and Bristol).
- June – August 2016 Research collaboration (acoustic-to-articulatory inversion) in Groningen with **Ganesh Sivaraman**, PhD student at the University of Maryland, USA (3 months in Groningen).
- April 2016 Research collaboration (articulography) with **Dr. Mark Tiede**, Haskins Laboratories, New Haven, United States (1 week).
- October 2015 Research collaboration (Tuscan dialectology) with **Dr. Simonetta Montemagni**, Istituto di Linguistica Computazionale, Consiglio Nazionale Ricerche, Pisa, Italy (2 weeks).
- September 2014 Research collaboration (articulography) with **Dr. Mark Tiede**, Haskins Laboratories, New Haven, United States (1 week).
- April 2014 Research collaboration (articulography experiment) with **Dr. Patti Adank**, **University College London, United Kingdom** (2 weeks).
- July 2013 Research collaboration (sentence readability assessment) with **Dr. Simonetta Montemagni**, Istituto di Linguistica Computazionale, Consiglio Nazionale Ricerche, Pisa, Italy (2 weeks).
- February 2012 Research collaboration (English dialectology) with **Prof. Clive Upton**, **University of Leeds, United Kingdom** (1 week).
- May 2011 Research collaboration (Tuscan dialectology) with **Dr. Simonetta Montemagni**, Istituto di Linguistica Computazionale, Consiglio Nazionale Ricerche, Pisa, Italy (2 weeks).
- Feb. 2011 Research collaboration (Catalan dialectology) with **Dr. Esteve Valls**, **University of Barcelona, Spain** (2 weeks).
- July – August 2010 Research collaboration (Dutch dialectology) with **Prof. R. Harald Baayen**, **University of Alberta, Edmonton, Canada** (6 weeks).

### Conference organization

- 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 40<sup>th</sup> *TABU Dag* international linguistics conference (Groningen: June, 2019, about 130 participants).
- 2018 **Staff supervisor** of the 39<sup>th</sup> *TABU Dag* international linguistics conference (Groningen: June 14 and 15, 2018, about 130 participants).
- 2017 **Staff supervisor** of the 38<sup>th</sup> *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 *30<sup>th</sup> TABU Dag* international linguistics conference (Groningen: June 11 and 12, 2009; about 175 participants).

### Commissions of trust and coordination

- Since 2021 **Member of the editorial board of the journal *Taal en Tongval*.**
- Since 2021 **Member of the KNAW public engagement advisory council “Gewaardeerd!”**
- Since 2020 **Member of the board of the Young Academy Groningen, UG.**
- Since 2017 **Member of the scientific advisory committee of “Sprekend Nederland”, NPO.**
- Since 2017 **Member of the international steering committee of the *Methods in Dialectology* conference series** (the next conference will be held in Mainz, 2020).
- Since 2015 **Member of the Research Data Committee** of the Faculty of Arts, UG.
- 2018 – 2020 **Vice-chairman of *De Jonge Akademie*, Royal Netherlands Academy of Arts and Sciences (KNAW).**
- 2017 – 2019 **Initiator and chair of the Young ARts Network, University of Groningen (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 – 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)**
- Since 2018 **Member of the editorial board of *PLOS ONE* (OA)**

### Scientific reviewer

- Member of the *Fonds Wetenschappelijk Onderzoek – Vlaanderen* expert panel Linguistics (2019-2021).
- 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*. In the 2017 round, the MACs were in charge of evaluating interdisciplinary research investment proposals with the goal of distributing over **550 million CAD\$** in funding.
- 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

- 9/2021 – 8/2025 **Promotor** (1st) of PhD student Thomas Tienkamp together with Dr. Max Witjes (UMCG), University of Groningen.
- 9/2021 – 8/2025 **Promotor** (2nd) of PhD student Iris Schepers together with Prof. Michel Vols, University of Groningen.
- 10/2020 – 9/2024 **Promotor** (1st) of PhD student Raoul Burke together with Dr. Remco Knooihuizen, University of Groningen.
- 9/2020 – 8/2024 **Promotor** (2nd) of PhD student Wietse de Vries together with Prof. Malvina Nissim (first promotor), University of Groningen.
- 9/2020 – 8/2024 **Promotor** (2nd) of PhD student Lourens Visser together with Prof. Jack Hoeksema (first promotor), 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).
- 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.
- 9/2019 – 8/2023 **Promotor** (1st) of PhD student Martijn Bartelds together with Prof. Mark Liberman (University of Pennsylvania), University of Groningen.
- 10/2017 – 2/2022 **Promotor** (shared 1st) of PhD student Masha Medvedeva together with Prof. Michel Vols, University of Groningen.
- 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/
- Since July 2015 **Promotor** (2nd) of PhD student Nienke Meulman with Prof. Monika Schmid (first promotor, University of Essex, United Kingdom), and Dr. Simone Sprenger, University of Groningen).
- 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

- Since Feb. 2018 **Methodology and Statistics for Linguistic Research**, Research Master level, about 10-15 students per year (until 2021 together with Dr. Antonio Toral).

Since Oct. 2017	<b>BCN Advanced (non)linear regression techniques in R</b> , PhD level, about 25-50 students per year.
Since June 2016	<b>BCN Statistics Course</b> , PhD level, about 25-50 students per year.
Since Feb. 2016	<b>Statistiek I</b> , BA level, about 75-150 students per year.
Since Sept. 2013	<b>Supervision of PhD and Master students</b> in individual sessions about how to conduct an appropriate statistical analysis of their data.

### Teaching innovation

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

### Publications (93; first author: 37; book contract: 1)

#### (i) Peer-reviewed publications in scientific journals (47; first author: 18)

1. 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.
2. 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: <http://doi.org/10.5334/labphon.237>.
3. 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*, doi: 10.1044/2021\_JSLHR-20-00394.
4. Medvedeva, M., Vols, M., & **Wieling, M.** (2020). Using machine learning to predict decisions of the European Court of Human Rights. *Artificial Intelligence and Law*, 28, 237-266.
5. Offrede, T., Jacobi, J., Rebernik, T., de Jong, L., Keulen, S., Veenstra, P., Noiray, A., & **Wieling, M.** (2020). The Impact of Alcohol on L1 vs. L2. *Language and Speech*. doi: <https://doi.org/10.1177/0023830920953169>.
6. Bartelds, M., Richter, C., Liberman, M., & **Wieling, M.** (2020). A new acoustic-based pronunciation distance measure. *Frontiers in Artificial Intelligence*, doi: <https://doi.org/10.3389/frai.2020.00039>.
7. Noiray, A., **Wieling, M.**, Abakarova, D., Rubertus, E., & Tiede, M. (2019). Back from the future: nonlinear anticipation in adults and children's speech. *Journal of Speech Language and Hearing Research*, 62, 3033 - 3054.
8. Irshad, M., Keijzer, M., **Wieling, M.**, & Verspoor, M. (2019). Effectiveness of a dynamic usage based Computer Assisted Language program. *Dutch Journal of Applied Linguistics*, 8(2), 137 - 162.
9. Jas, E., & **Wieling, M.** (2018). Providers' competencies positively affect personal recovery of involuntarily admitted patients with severe mental illness: A prospective observational study. *International Journal of Social Psychiatry*, 64(2), 145 - 155.
10. Sun, H., Steinkrauss, R., **Wieling, M.**, & de Bot, K. (2018). Individual differences in very young Chinese children's English vocabulary breadth and semantic depth: internal and external factors. *International Journal of Bilingual Education and Bilingualism*, 21(4), 405 - 425.
11. **Wieling, M.** (2018). Analyzing dynamic phonetic data using generalized additive mixed modeling: a tutorial focusing on articulatory differences between L1 and L2 speakers of English. *Journal of Phonetics*, 70, 86 - 116.
12. Toral, A., **Wieling, M.**, & Way, A. (2018). Post-editing effort of a novel with statistical and neural machine translation. *Frontiers in Digital Humanities*, 5. doi: 10.3389/fdigh.2018.00009.
13. **Wieling, M.**, Rawee, J., & van Noord, G. (2018). Reproducibility in computational linguistics:

- are we willing to share?. *Computational Linguistics*, 44(4), 641 - 649.
14. Stec, K., Huiskes, M., [Wieling, M.](#), & Redeker, G. (2017). Multimodal character viewpoint in quoted dialogue sequences. *Glossa: a journal of general linguistics*, 2(1), 39.
  15. Arantzeta, M., Bastiaanse, R., Burchert, F., [Wieling, M.](#), Zabaleta, M. M., & Laka, I. (2017). Eye-tracking the effect of word order in sentence comprehension in aphasia: Evidence from Basque, a free word order ergative language. *Language, Cognition and Neuroscience*, 32(10), 1320 - 1343.
  16. [Wieling, M.](#), & Tiede, M. (2017). Quantitative identification of dialect-specific articulatory settings. *Journal of the Acoustical Society of America*, 142(1), 389 - 394.
  17. Nissim, M., Abzianidze, L., Evang, K., van der Goot, R., Haagsma, H., Plank, B., & [Wieling, M.](#) (2017). Sharing is caring: the future of shared tasks. *Computational Linguistics*, 43(4), 897 - 904.
  18. Gulbinaite, R., van Viegen, T., [Wieling, M.](#), Cohen, M., & VanRullen, R. (2017). Individual alpha peak frequency predicts 10 Hz flicker effects on selective attention. *The Journal of Neuroscience*, 37(42), 10173 - 10184.
  19. Winter, B., & [Wieling, M.](#) (2016). How to analyze linguistic change using mixed models, growth curve analysis and generalized additive modeling. *Journal of Language Evolution*, 1(1), 7 - 18.
  20. [Wieling, M.](#), Tomaschek, F., Arnold, D., Tiede, M., Bröker, F., Thiele, S., Wood, S. N., & Baayen, R. H. (2016). Investigating dialectal differences using articulography. *Journal of Phonetics*, 59, 122 - 143.
  21. [Wieling, M.](#), Grieve, J., Bouma, G., Fruehwald, J., Coleman, J., & Liberman, M. (2016). Variation and change in the use of hesitation markers in Germanic languages. *Language Dynamics and Change*, 6(2), 199 - 234.
  22. Groenewold, R., Bastiaanse, R., Nickels, L., [Wieling, M.](#), & Huiskes, M. (2015). The differential effects of direct and indirect speech on discourse comprehension in Dutch and English listeners with and without aphasia. *Aphasiology*, 29(6), 685 - 704.
  23. Meulman, N., [Wieling, M.](#), Sprenger, S., Stowe, L., & Schmid, M. (2015). Age effects in L2 grammar processing as revealed by ERPs and how (not) to study them. *PLOS ONE*, 10(12), e0143328.
  24. [Wieling, M.](#), & Nerbonne, J. (2015). Advances in dialectometry. *Annual Review of Linguistics*, 1, 243-264.
  25. Bastiaanse, R., [Wieling, M.](#), & Wolthuis, N. (2015). The role of frequency in the retrieval of nouns and verbs in aphasia. *Aphasiology*, 30(11), 1221 - 1239.
  26. [Wieling, M.](#), Upton, C., & Thompson, A. (2014). Analyzing the BBC Voices data: contemporary English dialect areas and their characteristic lexical variants. *Literary and Linguistic Computing*, 29(1), 107 - 117.
  27. [Wieling, M.](#), Nerbonne, J., Bloem, J., Gooskens, C., Heeringa, W., & Baayen, R. H. (2014). A cognitively grounded measure of pronunciation distance. *PLOS ONE*, 9(1), e75734.
  28. Groenewold, R., Bastiaanse, R., Nickels, L., [Wieling, M.](#), & Huiskes, M. (2014). The effects of direct and indirect speech on discourse comprehension in Dutch listeners with and without aphasia. *Aphasiology*, 28(7), 862 - 884.
  29. [Wieling, M.](#), Bloem, J., Mignella, K., Timmermeister, M., & Nerbonne, J. (2014). Measuring foreign accent strength in English: validating Levenshtein distance as a measure. *Language Dynamics and Change*, 4(2), 253 - 269.
  30. [Wieling, M.](#), Montemagni, S., Nerbonne, J., & Baayen, R. H. (2014). Lexical differences between Tuscan dialects and standard Italian: accounting for geographic and socio-demographic variation using generalized additive mixed modeling. *Language*, 90(3), 669 - 692.
  31. Ko, V., [Wieling, M.](#), Wit, E., Nerbonne, J., & Krijnen, W. (2014). Social, geographical, and lexical influence on Dutch dialect pronunciations. *Computational Linguistics in the Netherlands*



- Journal*, 4(2), 253 - 269.
32. Loerts, H., **Wieling, M.**, & Schmid, M. (2013). Neuter is not common in Dutch: eye movements reveal asymmetrical gender processing. *Journal of Psycholinguistic Research*, 42(6), 551 - 570.
  33. Valls, E., **Wieling, M.**, & Nerbonne, J. (2013). Linguistic advergence and divergence in north-western Catalan: a dialectometric investigation of dialect leveling and border effects. *Literary and Linguistic Computing*, 28(1), 119 - 146.
  34. Montemagni, S., **Wieling, M.**, de Jonge, B., & Nerbonne, J. (2013). Synchronic patterns of Tuscan phonetic variation and diachronic change: evidence from a dialectometric study. *Literary and Linguistic Computing*, 28(1), 157 - 172.
  35. **Wieling, M.**, Shackleton Jr., R. G., & Nerbonne, J. (2013). Analyzing phonetic variation in the traditional English dialects: simultaneously clustering dialects and phonetic features. *Literary and Linguistic Computing*, 28(1), 31 - 41.
  36. Blankevoort, G., Scherder, E., **Wieling, M.**, Hortobágyi, T., Brouwer, W., Geuze, R., & van Heuvelen, M. (2013). Physical predictors of cognitive performance in healthy older adults: a cross-sectional analysis. *PLOS ONE*, 8(7), e70799.
  37. Valls, E., Nerbonne, J., Prokić, J., **Wieling, M.**, Clua, E., & Lloret, M. (2012). Applying the Levenshtein distance to Catalan dialects: a brief comparison of two dialectometric approaches. *Verba. Anuario Galego de Filoloxía*, 39, 35 - 61.
  38. **Wieling, M.**, Margaretha, E., & Nerbonne, J. (2012). Inducing a measure of phonetic similarity from pronunciation variation. *Journal of Phonetics*, 40(2), 307 - 314.
  39. **Wieling, M.**, & Nerbonne, J. (2011). Bipartite spectral graph partitioning for clustering dialect varieties and detecting their linguistic features. *Computer Speech and Language*, 25(3), 700 - 715.
  40. **Wieling, M.**, Margaretha, E., & Nerbonne, J. (2011). Inducing phonetic distances from dialect variation. *Computational Linguistics in the Netherlands Journal*, 1, 109 - 118.
  41. **Wieling, M.**, & Nerbonne, J. (2011). Measuring linguistic variation commensurably. *Dialectologia*, Special Issue II: Production & Perception and Attitude, 141 - 162.
  42. **Wieling, M.**, Nerbonne, J., & Baayen, R. H. (2011). Quantitative social dialectology: explaining linguistic variation geographically and socially. *PLOS ONE*, 6(9), e23613.
  43. Williams, K., Park, J., & **Wieling, M.** (2010). The face reveals athletic flair: better National Football League quarterbacks are better looking. *Personality and Individual Differences*, 48, 112 - 116.
  44. **Wieling, M.**, & Hofman, A. (2010). The impact of online video lecture recordings and automated feedback on student performance. *Computers and Education*, 54(4), 992 - 998.
  45. Park, J., **Wieling, M.**, Buunk, B., & Massar, K. (2008). Sex-specific relationship between digit ratio (2D:4D) and romantic jealousy. *Personality and Individual Differences*, 44, 1039 - 1045.
  46. Park, J., Buunk, B., & **Wieling, M.** (2007). Does the face reveal athletic flair? Positions in team sports and facial attractiveness. *Personality and Individual Differences*, 43, 1960 - 1965.
  47. **Wieling, M.**, Heeringa, W., & Nerbonne, J. (2007). An aggregate analysis of pronunciation in the Goeman-Taeldeman-van Reenen-Project data. *Taal en Tongval*, 59, 84 - 116.

**(ii) Peer-reviewed publications in edited books** (11; first author: 4)

1. Verspoor, M., Lowie, W., & **Wieling, M.** (forthcoming, 2021). L2 developmental measures from a dynamic perspective. In: Magali Paquot, & Bert LeBruyn (eds.) *Learner Corpora Researchs Meets Second Language Acquisition*. Cambridge University Press. doi: <https://doi.org/10.1017/9781108674577.009>.
2. Nerbonne, J., Heeringa, W., Prokić, J., & **Wieling, M.** (forthcoming, 2021). Dialectology for computational linguists. In: Marcos Zampieri, & Preslav Nakov (eds.) *Similar Languages, Varieties, and Dialects: A Computational Perspective*. Cambridge University Press.

3. Nerbonne, J., & **Wieling, M.** (2018). Statistics for aggregate variationist analyses. In: Charles Boberg, John Nerbonne, & Dominic Watt (eds.) *Handbook of Dialectology*. Boston: Wiley, pp. 400 - 414.
4. **Wieling, M.**, Valls, E., Baayen, R. H., & Nerbonne, J. (2018). Border effects among Catalan dialects. In: Dirk Speelman, Kris Heylen, & Dirk Geeraerts (eds.) *Mixed Effects Regression Models in Linguistics*. Berlin: Springer (Quantitative methods in the Humanities and Social Sciences), pp. 71 - 97.
5. Bloem, J., **Wieling, M.**, & Nerbonne, J. (2016). Automatically identifying characteristic features of non-native English accents. In: Marie-Hélène Côté, Remco Knooihuizen, & John Nerbonne (eds.) *The Future of Dialects*. Berlin: Language Science Press (Language Variation), pp. 155 - 172.
6. **Wieling, M.**, & Montemagni, S. (2016). Infrequent forms: noise or not?. In: Marie-Hélène Côté, Remco Knooihuizen, & John Nerbonne (eds.) *The Future of Dialects*. Berlin: Language Science Press (Language Variation), pp. 215 - 224.
7. **Wieling, M.**, & Montemagni, S. (2016). Tracking linguistic features underlying lexical variation patterns: a case study on Tuscan dialects. In: Marie-Hélène Côté, Remco Knooihuizen, & John Nerbonne (eds.) *The Future of Dialects*. Berlin: Language Science Press (Language Variation), pp. 117 - 134.
8. Nerbonne, J., van Ommen, S., Gooskens, C., & **Wieling, M.** (2013). Measuring socially motivated pronunciation differences. In: Lars Borin, & Anju Saxena (eds.) *Approaches to Measuring Linguistic Differences*. Berlin: Mouton De Gruyter, pp. 107 - 140.
9. **Wieling, M.** (2013). Voices dialectometry at the University of Groningen. In: Clive Upton, & Bethan Davies (eds.) *Analysing 21st-century British English: Conceptual and Methodological Aspects of the BBC 'Voices' Project*. London: Routledge, pp. 208 - 218.
10. Nerbonne, J., Prokić, J., **Wieling, M.**, & Gooskens, C. (2010). Some further dialectometrical steps. In: Gotzon Aurrekoexea, & José Luis Ormaetxea (eds.) *Tools for Linguistic Variation*. Bilbao: Supplements of the Anuario de Filologia Vasca "Julio de Urquijo", pp. 41 - 56.
11. Heeringa, W., **Wieling, M.**, van den Berg, B., & Nerbonne, J. (2009). A quantitative examination of variation in Dutch Low Saxon morphology. In: Alexandra Lenz, Charlotte Gooskens, & Siemon Reker (eds.) *Low Saxon Dialects across Borders - Niedersächsische Dialekte über Grenzen hinweg*. Stuttgart: Franz Steiner Verlag (ZDL-Beiheft 138), pp. 195 - 216.

**(iii) Peer-reviewed publications in conference proceedings (full papers)** (31; first author: 13)

1. de Vries\*, W., Bartelds\*, M., Nissim, M., & **Wieling, M.** (forthcoming, 2021). Adapting monolingual models: data can be scarce when language similarity is high. Findings of ACL. arXiv:2105.02855v2 [cs.CL] (\* joint first authorship).
2. 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.
3. 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.
4. Rebernik, T., Jacobi, J., Jonkers, R., Noiray, A., & **Wieling, M.** (2020). Experimental approaches in electromagnetic articulography. Proceedings of the 12th International Seminar on Speech Production, pp. 5 - 8.
5. 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.
6. **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.
  7. Siewert, J., Scherrer, Y., **Wieling, M.**, & Tiedemann, J. (2020). LSDC - A comprehensive dataset for Low Saxon dialect classification. *Proceedings of the 7th Workshop on NLP for Similar Languages, Varieties and Dialects*, pp. 25 - 35.
  8. Medvedeva, M., Xu, X., **Wieling, M.**, & Vols, M. (2020). JURI SAYS: an automatic judgement prediction system for the European Court of Human Rights. *JURIX 2020*, pp. 277 - 280.
  9. de Jong, L., Rebernik, T., Vaziri, S., & **Wieling, M.** (2020). Using ultrasound tongue imaging to improve L2 English pronunciation in Dutch students. *Proceedings of the 12th International Seminar on Speech Production*, pp. 60 - 63.
  10. Janić, M., Rebernik, T., Veenstra, P., Wissink, E., **Wieling, M.**, & Proctor, M. (2020). Vowel production in congenitally blind and sighted Australian English speakers. *Proceedings of the 12th International Seminar on Speech Production*, pp. 91 - 94.
  11. Jacobi, J., Rebernik, T., Jonkers, R., Maassen, B., Proctor, M., & **Wieling, M.** (2019). The effect of Levodopa on articulation in Parkinson's disease: A cross-linguistic study. *Proceedings of ICPHS 2019*, pp. 1069 - 1073.
  12. **Wieling, M.**, Blankevoort, C., Hukker, V., Jacobi, J., de Jong, L., Keulen, S., Medvedeva, M., van der Ploeg, M., Pot, A., Rebernik, T., Veenstra, P., & Noiray, A. (2019). The influence of alcohol on L1 vs. L2 pronunciation. *Proceedings of ICPHS 2019*, pp. 3622 - 3626.
  13. **Wieling, M.**, Veenstra, P., Adank, P., & Tiede, M. (2017). Articulatory differences between L1 and L2 speakers of English. *Proceedings of the 11th International Seminar on Speech Production*, Paper 1.
  14. 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.
  15. 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.
  16. 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.
  17. **Wieling, M.**, Sassolini, E., Cucurullo, N., & Montemagni, S. (2016). ALT Explored: integrating an online dialectometric tool and an online dialect atlas. *Proceedings of LREC 2016*, pp. 3265 - 3272.
  18. James, K., & **Wieling, M.** (2016). Read my points: effect of animation type when speech-reading from EMA data. *Proceedings of the 14th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology*, pp. 87 - 92.
  19. **Wieling, M.**, Tomaschek, F., Arnold, D., Tiede, M., & Baayen, R. H. (2015). Investigating dialectal differences using articulography. *Proceedings of ICPHS 2015*, Paper 231.
  20. **Wieling, M.**, Veenstra, P., Adank, P., Weber, A., & Tiede, M. (2015). Comparing L1 and L2 speakers using articulography. *Proceedings of ICPHS 2015*, Paper 551.
  21. **Wieling, M.**, Bloem, J., Baayen, R. H., & Nerbonne, J. (2015). Determinants of English accents. *Proceedings of the 6th Conference on Quantitative Investigations in Theoretical Linguistics*, doi: 10.15496/publikation-8628.
  22. 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.

23. 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.
24. 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.
25. [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.
26. 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.
27. [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.
28. [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.
29. [Wieling, M.](#), & Nerbonne, J. (2007). Dialect pronunciation comparison and spoken word recognition. Proceedings of the RANLP 2007 Workshop on Computational Phonology, pp. 71 - 78.
30. [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.
31. [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** (3; first author: 2; book contract: 1)

1. Grieve, J., & [Wieling, M.](#) (**under contract**, ~2022/2023). *Regional Dialectology: Quantitative Approaches using R*. Cambridge University Press. Book contract signed.
2. [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.
3. [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** (98)

**(i) Invited presentations and courses** (39)

1. *Approaches to investigating language variation and supporting minority languages* (presentation). University of Helsinki, (online), April 15 - August 18, 2021.
2. *GAM consultation* (course). Walter Reed National Military Medical Center (Stephanie Kuchinsky), (online), March 21 - June 2, 2021.

3. *GAM Workshop* (course). Universität Zürich, online, December 7, 2020.
4. *Generalized additive modeling* (course). University of Salzburg, Salzburg, Austria, November 21 - 22, 2019.
5. *The beauty of dialect variation* (presentation). Festival della Scienza, Genua, Italy, October 27, 2019.
6. *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.
7. *Dialectometry: modeling the influence of geography in dialect variation* (presentation). University of Oldenburg, Oldenburg, Germany, July 4, 2019.
8. *Dialectometry* (course). University of Malta, Malta, June 27 - 28, 2019.
9. *Generalized additive modeling to analyze time series* (presentation). Vrije Universiteit Brussel, Brussel, Belgium, October 2, 2018.
10. *Dialectometry* (course). Linguistic Convergence Laboratory, Higher School of Economics, Moscow, Russia, September 10 - 14, 2018.
11. *Generalized additive modeling for phonetics* (course). Humboldt-Universität zu Berlin, Institut für deutsche Sprache und Linguistik, Berlin, Germany, August 30 - 31, 2018.
12. *(Mixed-effects) regression and generalized additive modeling* (course). Universität Stuttgart, Stuttgart, Germany, May 3 - 4, 2018.
13. *Statistics for Linguistics* (course). LOT Winter School, Amsterdam, January 8 - 12, 2018.
14. *Generalized additive modeling* (presentation). Institut für Phonetik und Sprachverarbeitung, Ludwig-Maximilians-Universität München, Munich, Germany, December 20, 2017.
15. *Generalized additive modeling* (presentation). Winter School on Multilingualism, Groningen, November 9 - 10, 2017.
16. *Quantitative analyses of dialect variation* (presentation). Meertens Instituut, Amsterdam, October 24, 2017.
17. *Discovering articulatory patterns using generalized additive modeling* (presentation). Dynamic Modeling III workshop, Cologne, Germany, July 18 - 19, 2017.
18. *Generalized additive modeling as a useful tool for dialectometry* (presentation). Sociolinguistics Panel, ICLaVE, Málaga, Spain, June 6 - 9, 2017.
19. *Statistics for linguists in R* (course). Istituto di Linguistica Computazionale, Consiglio Nazionale delle Ricerche, Pisa, Italy, May 2 - 5, 2017.
20. *Mixed-effects regression and generalized additive modeling* (course). Centre de Recherche Cerveau & Cognition, Toulouse, France, March 30 - 31, 2017.
21. *Using generalized additive modeling for analyzing articulography data (and other time series data)* (presentation). 5th International Winterschool "Speech Perception and Production", Chorin, Germany, January 9 - 13, 2017.
22. *Modeling the influence of geography in dialect variation* (presentation). FLAMES-colloquium "Topics for Spatial Statistics", Leuven, Belgium, November 28, 2016.
23. *Investigating language variation quantitatively* (presentation). EuroScience Open Forum 2016, Manchester, United Kingdom, July 23 - 27, 2016.
24. *Pronunciation variation on the tip of the tongue* (presentation). BCN Winter meeting, Groningen, February 11, 2016.
25. *Investigating language variation using articulography* (presentation). Netherlands Cancer Institute, Amsterdam, October 13, 2015.
26. *Generalized additive modeling* (course). McGill, Neurocognition of Language Lab, Montréal, Canada, March 20 - 22, 2015.
27. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Tübingen, Englisch Seminar, Tübingen, Germany, February 9 - 10, 2015.
28. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität

- Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, February 2 - 3, 2015.
29. *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.
  30. *Methods in Dialectometry* (presentation). Ghent University, Department of Linguistics, Ghent, Belgium, October 16, 2014.
  31. *Comparing pronunciations on the basis of transcriptions and articulography* (presentation). Radboud University, Centre for Language Studies, Nijmegen, October 15, 2014.
  32. *What the tongue can tell us about dialects?* (presentation). Frontiers of Language Variation Workshop, Methods in Dialectology XV, Groningen, August 11 - 14, 2014.
  33. *Generalized additive modeling for linguists* (course). University Leiden, Center of Linguistics, Leiden, July 10 - 11, 2014.
  34. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, June 30 - July 1, 2014.
  35. *Introduction to mixed-effects regression for (psycho)linguists* (presentation). IMS Stuttgart, Stuttgart, Germany, December 16, 2013.
  36. *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].
  37. *Inducing and using phonetic similarity* (presentation). Language Diversity Conference, Groningen, July 20, 2013 [with John Nerbonne].
  38. *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.
  39. *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 (59)**

1. *A novel paradigm to investigate phonetic convergence in interaction* (poster presentation). 12th International Seminar on Speech Production, online, December 18, 2020.
2. *The influence of alcohol on L1 vs. L2 pronunciation* (poster presentation). 19th International Congress of Phonetic Sciences, Melbourne, Australia, August 5 - 9, 2019.
3. *The beauty of language variation* (presentation). AGM Global Young Academy, Halle, Germany, May 2, 2019.
4. *Generalized additive modeling* (guest lecture). University of Auckland, Auckland, New Zealand, December 12, 2018.
5. *Tutorial on generalized additive modelling to analyze time-series data* (course). 17th Speech Science and Technology Conference, Coogee, Australia, December 4, 2018.
6. *Generalized additive modeling* (guest lecture). Centre for Language Sciences, Macquarie University, Sydney, Australia, December 3, 2018.
7. *Generalized additive modeling to analyze articulatory data* (guest lecture). Department of Information and Communication Engineering, University of Tokyo, Tokyo, Japan, November 5, 2018.
8. *Introductory course on Advanced Regression Methods for Linguistics* (course). ESSLLI 2018, Sofia, Bulgaria, August 6 - 10, 2018.
9. *Articulatory differences between L1 and L2 speakers of English* (presentation). Conference on Multilingualism, Groningen, November 6 - 9, 2017.
10. *Articulatory differences between L1 and L2 speakers of English* (presentation). 11th International Seminar on Speech Production, Tianjin, China, October 16 - 19, 2017.

11. *Dialect-specific articulatory settings* (presentation). Methods in Dialectology XVI, Tokyo, Japan, August 7 - 11, 2017.
12. *Articulatory differences between L1 and L2 speakers of English* (poster presentation). 7th International Conference on Speech Motor Control, Groningen, July 5 - 8, 2017.
13. *Determinants of English Accents* (presentation). 6th Conference on Quantitative Investigations in Theoretical Linguistics, Tübingen, Germany, November 4 - 6, 2015.
14. *Taalvariatie: patronen in uitspraak en tongbewegingen* (guest lecture). De Jonge Akademie meeting, Groningen, September 21, 2015.
15. *Investigating dialectal differences using articulography* (poster presentation). 18th International Congress of Phonetic Sciences, Glasgow, United Kingdom, August 10 - 14, 2015.
16. *Analyzing time series data using generalized additive modeling* (course). LSA Institute, Chicago, USA, July 6 - 17, 2015 [with Jacolien van Rij].
17. *Measuring foreign accent strength* (guest lecture). University of Cambridge, Department of Theoretical and Applied Linguistics, Cambridge, United Kingdom, January 13, 2015.
18. *Patterns of language variation* (guest lecture). Digital Humanities Day 2014, Groningen, October 31, 2014.
19. *Gabmap tutorial* (guest lecture). Ghent University, Department of Linguistics, Ghent, Belgium, October 15, 2014.
20. *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.
21. *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.
22. *Comparing dialect and accented pronunciations on the basis of transcriptions and articulography* (guest lecture). Linguistic Data Consortium, Philadelphia, USA, September 12, 2014.
23. *Generalized additive models in R* (guest lecture). Haskins Laboratories, New Haven, USA, September 9, 2014.
24. *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]**.
25. *Accessing large dialect databases on RADAR* (presentation). Methods in Dialectology XV, Groningen, August 11 - 14, 2014 [with Clive Upton].
26. *Large-scale analysis of articulatory trajectories using generalized additive modeling* (poster presentation). 10th International Seminar on Speech Production, Cologne, Germany, May 5 - 8, 2014.
27. *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.
28. *Articulography for studying language variation* (guest lecture). Haskins Laboratories, New Haven, USA, October 24, 2013.
29. *Articulography for studying language variation* (guest lecture). City University New York, Speech Production, Acoustics and Perception Laboratory, New York, USA, October 16, 2013.
30. *A cognitively grounded measure of pronunciation distance* (presentation). Donders Workshop, Radboud University, Nijmegen, September 23, 2013 - August 18, 2021.
31. *A cognitively grounded automatic measure of pronunciation distance* (presentation). 5th Conference on Quantitative Investigations in Theoretical Linguistics, Leuven, Belgium, September 12 - 14, 2013.
32. *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.
33. *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.
  34. *Mixed-effects regression and generalized additive modeling in linguistics* (course). LOT Summer School, Groningen, June 24 - 28, 2013 [with Jacolien van Rij].
  35. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (poster presentation). Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2012.
  36. *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.
  37. *A quantitative investigation of English accents* (poster presentation). BCN New Year's Meeting, Groningen, February 2, 2012 [**best poster award**].
  38. *Segment distances and foreign accents* (guest lecture). LOT Winter School, Tilburg, January 12, 2012.
  39. *Gabmap tutorial* (guest lecture). Göteborgs Universitet, Gothenburg, Sweden, October 26, 2011 [with John Nerbonne and Therese Leinonen].
  40. *Inducing a measure of phonetic similarity from dialect variation* (presentation). Workshop on Comparing Approaches to Measuring Linguistic Differences, Gothenburg, Sweden, October 24 - 25, 2011.
  41. *A sociolinguistic analysis of aggregate dialect distances* (presentation). Methods in Dialectology XIV, London (ON), Canada, August 1 - 5, 2011.
  42. *A sociolinguistic analysis of dialect distances* (poster presentation). BCN New Year's Meeting, Groningen, February 17, 2011.
  43. *On the sublinear distribution of linguistic variation with respect to geography* (presentation). Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2010.
  44. *Dialectometry and hierarchical bipartite spectral graph partitioning* (guest lecture). Makerere University, Department of Machine Learning, Kampala, Uganda, September 23, 2010.
  45. *Text Manipulation and Hidden Markov Models* (course). Makerere University, College of Computing and Information Sciences, Kampala, Uganda, September 20 - 22, 2010.
  46. *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.
  47. *Dialectometry in Groningen* (guest lecture). University of Alberta, Department of Linguistics, Edmonton, Canada, August 11, 2010.
  48. *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.
  49. *A graph-theoretic analysis of English dialects* (presentation). Bloomsday 2010: Echoes of Albion Workshop, Groningen, June 16, 2010.
  50. *On the sublinear distribution of linguistic variation with respect to geography* (presentation). 31st TABU Dag, Groningen, June 3 - 4, 2010.
  51. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (presentation). Computational Linguistics in The Netherlands 20, Utrecht, February 5, 2010 - August 18, 2021.
  52. *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].
  53. *Bipartite spectral graph partitioning to co-cluster varieties and sound correspondences in*



- dialectology* (presentation). TextGraphs-4 ACL Workshop, Singapore, August 7, 2009.
54. *Tools for detecting geographical and structural affinities* (presentation). Workshop on Small Tools for Cross-Linguistic Research, Utrecht, June 15 - 16, 2009.
  55. *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.
  56. *Evaluation of pairwise string alignment methods* (presentation). Computational Linguistics in the Netherlands 19, Groningen, January 22, 2009.
  57. *Dialect pronunciation comparison using the Goeman-Taeldeman-Van Reenen-project data* (presentation). Computational Linguistics in the Netherlands 17, Leuven, Belgium, January 12, 2007.
  58. *Parsing partially bracketed input* (presentation). Computational Linguistics in the Netherlands 16, Amsterdam, December 16, 2005.
  59. *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

- "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


- *Panel member: Kunnen podcasts dialect in stand houden?* (invited), Podcastfestival Groningen, Groningen, September 18, 2020.
- *Van Old naar Jong* (invited), Dag van de Grunneger Toal, Groningen, March 16, 2017.
- *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** (28 out of 149; see [www.martijnwieling.nl/media](http://www.martijnwieling.nl/media))

1. Rijksuniversiteit Groningen neemt rijdend laboratorium in gebruik voor taalkundig onderzoek (online), *Dagblad van het Noorden*, February 17, 2021.
2. Robot weet welke uitspraak het hof zal doen (newspaper), *NRC*, December 30, 2020.
3. 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.
4. Biertje op? Schakel over naar een tweede taal! (online), *NewScientist*, September 21, 2020.
5. Een nieuwe taal creëren tijdens Lowlands (online), *Kennislink*, August 22, 2019.
6. Lowlands is een prachtlab vol enthousiaste proefkonijnen (newspaper), *Trouw*, August 16, 2019.
7. Zeg ik a, dan zeg jij...? (online), *NewScientist*, August 2, 2019.
8. News item about Van Old naar Jong (radio), *NPO Radio 1: De Taalstaat (11:12:40)*, July 27, 2019.
9. 'Onderzoek doen naar taal is echt geweldig omdat het continu in beweging is' (newspaper), *Algemeen Dagblad*, May 4, 2019.
10. Het Gronings brengt mensen op een positieve manier bij elkaar (newspaper), *Dagblad van het Noorden*, March 2, 2019.
11. Interviews om de Groningse taal van oud naar jong door te geven (newspaper), *Dagblad van het Noorden*, January 28, 2019.
12. Is het nou 'hoes' of 'huus'? Nieuwe mobiele game gaat het kinderen leren (online), *RTV Noord*, January 21, 2019.
13. Martijn Wieling nieuwe hoogleraar Groningse taal en cultuur (online), *Dagblad van het Noorden*, September 18, 2018.
14. RUG-wetenschappers onderzoeken op Lowlands of je met alcohol op beter bent in een vreemde taal (newspaper), *Dagblad van het Noorden*, August 20, 2018.
15. Onderzoek op Lowlands: helpt alcohol bij taalgevoel? (newspaper), *De Telegraaf*, August 18, 2018.
16. Veldonderzoek op Lowlands: spreek je beter Engels met een slok op? (radio), *NPO Radio 1*, August 17, 2018.
17. Babbelen dronken Lowlandsgangers vlotter Engels? (online), *NOS op 3*, August 17, 2018.
18. Spraakecho met dubbele tong (newspaper), *Dagblad van het Noorden*, August 9, 2018.
19. Taalwetenschapper verstript zijn onderzoek (newspaper), *Dagblad van het Noorden*, December 8, 2017.
20. De stille opmars van ...ehm (newspaper), *NRC & nrc.next*, January 5, 2017.
21. The best age to learn a second language (online), *The Independent*, February 8, 2016.
22. Hoe bewegen tong en lippen bij het spreken? (magazine), *New Scientist*, September 1, 2015.
23. Het dialectverschil zit 'm in de tong (TV), *RTV Noord: Noord Vandaag*, May 12, 2015.
24. Dit is waarom jouw Engels niet goed klinkt (online), *NOS op 3*, May 12, 2015.
25. Nieuw gezicht (newspaper), *De Volkskrant*, May 9, 2015.
26. Wetenschap: de mysteries van de spraak (radio), *NPO Radio 1: NOS - Wetenschap op woensdag*, April 8, 2015.
27. Why we are saying 'uh' less and 'um' more (online), *BBC*, February 8, 2015.
28. To um or to er? Studies probe how brains fill the speech-thought gap (online), *The Times*, October 4, 2014.

## Impact (h-index and most-cited publications)

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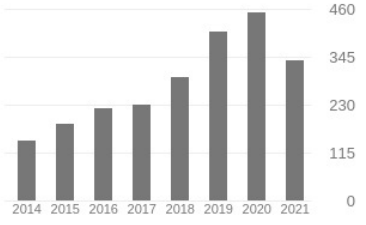
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TITLE	CITED BY	YEAR
<a href="#">itsadug: Interpreting time series and autocorrelated data using gamms</a> <small>J van Rij, M Wieling, RH Baayen, H van Rij R package version 2</small>	263	2016
<a href="#">The impact of online video lecture recordings and automated feedback on student performance</a> <small>MB Wieling, WHA Hofman Computers &amp; Education 54 (4), 992-998</small>	261	2010
<a href="#">Quantitative social dialectology: Explaining linguistic variation geographically and socially</a> <small>M Wieling, J Nerbonne, RH Baayen PloS one 6 (9), e23613</small>	154	2011
<a href="#">Analyzing dynamic phonetic data using generalized additive mixed modeling: a tutorial focusing on articulatory differences between L1 and L2 speakers of English</a> <small>M Wieling Journal of Phonetics 70, 86-116</small>	124	2018
<a href="#">How to analyze linguistic change using mixed models, Growth Curve Analysis and Generalized Additive Modeling</a> <small>B Winter, M Wieling Journal of Language Evolution 1 (1), 7-18</small>	104	2016
<a href="#">Using machine learning to predict decisions of the European Court of Human Rights</a> <small>M Medvedeva, M Vols, M Wieling Artificial Intelligence and Law 28 (2), 237-266</small>	80	2020