

# Curriculum vitae: Martijn Wieling

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## Personal information

Date of birth: March 18, 1981  
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Photo: Jérôme Schlomoff

## Summary

- **2007:** MSc in Computing Science, University of Groningen, *cum laude*
- **2007:** MSc in Behavioral Cognitive Neurosciences, University of Groningen, *cum laude*
- **2012:** PhD in Linguistics, *cum laude* (top 5%)
- **Since 2012:** Research grants worth over € 600.000, among which
  - NWO Rubicon grant (€ 60.000)
  - NWO Veni grant (€ 250.000)
- **Since 2018:** Assistant professor (tenured) Information Science, University of Groningen
  - Supervision: 1 postdoc, 5 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, University of Groningen
- **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 (since April 2018)
- **Outreach:** Presentations and publications (including a *comic*), and 70 media items/interviews
- **Scientific output:**
  - **About 70 peer-reviewed publications** (approximately half as first author, h-index: 18), several in top journals in Linguistics, such as *Journal of Phonetics* (3 times), *Language*, *Journal of the Acoustical Society of America*, *Computer Speech and Language*, *Computers and Education*, *PLOS ONE* (3 times), and by invitation in *Annual Review of Linguistics* (only respected scientists are invited to submit here)
  - **Book contract at Cambridge University Press:** *Regional Dialectology: Quantitative Approaches using R* (with Jack Grieve, University of Birmingham)
  - **Over 80 scientific presentations and courses** (about 30 by invitation, such as in Cambridge, Toulouse and Montréal; 1 at the prestigious biennial *LSA Institute*)

## Education

- 2017 **University Teaching Qualification (UTQ)**, University of Groningen
- 2012 **PhD degree in Linguistics** (*cum laude*: top 5%), 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 6/2017 **Assistant Professor** (UD1, 0.75 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 – 2017 **Assistant Professor** (UD2, 0.75 fte, with tenure), Department of Information Science, Faculty of Arts, University of Groningen.
- 2015 – 2016 **Post-doc** (0.10 fte, 6 months) on Monika Schmid’s NWO Vici project *The age effect in bilingual development: grammatical gender in second language acquisition and first language attrition*.
- 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 articulatory feedback*. Faculty of Arts, University of Groningen.
- 2013 – 2014 **Post-doc** (0.20 fte) with Prof. R. Harald Baayen at the Department of Quantitative Linguistics, University of Tübingen, Germany.
- 2012 – 2013 **Post-doc** 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: > € 600,000)

- 2018 **Nvidia Hardware Grant**, Titan Xp GPU (value: € 1200).
- 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: € 1400).
- 2017 **Interdisciplinary PhD position Young Academy Groningen (€ 120,000)**; 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: € 1000).
- 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 proposal writing 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 feedback*.
- 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** (€ 60,000) 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

- 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 of the best 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) top 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).
- May 2017 Research collaboration (automatic identification of lip movement using video recordings of speakers) in Groningen with **Dr. Helen L. Bear**, University of East London, UK (1 week in Groningen)
- 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).
- June – August 2016 Research collaboration (articulography) in Groningen with **Sean Veld**, PhD student at Macquarie University, Sydney, Australia (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

- 2018 **Co-organizer** of *Computational Linguistics in the Netherlands 29* (Groningen: January, 2019; est. 200 participants).
- 2018 **Co-organizer** (supervising staff member) of the *39<sup>th</sup> TABU Dag* international linguistics conference (Groningen: June 14 and 15, 2018, est. 150 participants).
- 2017 **Co-organizer** (supervising staff member) 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 2018 **Vice-chairman of *De Jonge Akademie***, Royal Netherlands Academy of Arts and Sciences (KNAW).
- Since 2017 **Member of the Curriculum Committee CIW**, University of Groningen (UG).
- Since 2017 **Initiator and chair of the Young Arts Network**, UG
- Since 2017 **Member of the scientific advisory committee of “Sprekend Nederland”**, NPO.
- Since 2016 **Chair of the science policy committee** of the *De Jonge Akademie*, KNAW.
- Since 2016 **Member of the CLCG Linguistics Lunches committee**, Faculty of Arts, UG.
- Since 2015 **Member of the Research Data Committee** of the Faculty of Arts, UG.
- Since 2014 **Member of the international steering committee of the *Methods in Dialectology* conference series** (the next conference will be held in Mainz, 2020).
- 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 reviewer

- Ext. member supervisory committee of Stefano De Pascale, KU Leuven (since 2018).
- 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 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

- Since Oct. 2017      **Co-promotor** of PhD student Masha Medvedeva together with Prof. Michel Vols, University of Groningen.
- Since Sept. 2017      **Co-promotor** of IDEALAB PhD student Jidde Jacobi together with Prof. Ben Maassen, Dr. Roel Jonkers, Dr. Michael Proctor (Macquarie University, Sydney, Australia).
- Since March 2017      **Supervisor** of post-doc Dr. Aki Kunikoshi, University of Groningen.
- Since Jan. 2017      **Co-promotor** of PhD student Bregtje Seton (promotor: Prof. Monika Schmid, University of Essex, United Kingdom).
- Since Jan. 2017      **Co-promotor** of PhD student Sanne Berends (promotor: Prof. Monika Schmid, University of Essex, United Kingdom).
- Since July 2015      **Co-promotor** of PhD student Nienke Meulman (promotor: Prof. Monika Schmid, University of Essex, United Kingdom).
- Since Sept. 2013      **(Co-)supervisor of several bachelor and master students**. Presently, I have (co-)supervised the thesis of 5 (research) master students (Pauline Veenstra, Kristy James, Obada Zaidany, Mart Busger op Vollenbroek, and Marita Everhardt) and am supervising Jaap Nanninga (MA IS) and Ryssa Moffat (EMCL).
- 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 15 students per year (together with Dr. Antonio Toral)
- Since Oct. 2017      **BCN Advanced (non)linear regression techniques in R**, PhD level, about 30 students per year.
- Since June 2016      **BCN Statistics Course**, PhD level, about 50 students per year.
- Since Feb. 2016      **Statistiek I**, BA level, about 150-250 students per year.
- Since Sept. 2013      **Supervision of PhD and Master students** in individual sessions about how to conduct an appropriate statistical analysis of their data.

## 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

- *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 (10 out of 74; see [www.martijnwieling.nl/media](http://www.martijnwieling.nl/media))

1. Taalwetenschapper verstript zijn onderzoek (newspaper), *Dagblad van het Noorden*, December 8, 2017.
2. De stille opmars van ...ehm (newspaper), *NRC & nrc.next*, January 5, 2017.
3. The best age to learn a second language (online), *The Independent*, February 8, 2016.
4. Hoe bewegen tong en lippen bij het spreken? (magazine), *New Scientist*, September 1, 2015.
5. Het dialectverschil zit 'm in de tong (TV), *RTV Noord: Noord Vandaag*, May 12, 2015.
6. Dit is waarom jouw Engels niet goed klinkt (online), *NOS op 3*, May 12, 2015.
7. Nieuw gezicht (newspaper), *De Volkskrant*, May 9, 2015.
8. Wetenschap: de mysteries van de spraak (radio), *NPO Radio 1: NOS - Wetenschap op woensdag*, April 8, 2015.
9. Why we are saying 'uh' less and 'um' more (online), *BBC*, February 8, 2015.
10. To um or to er? Studies probe how brains fill the speech-thought gap (online), *The Times*, October 4, 2014.

## Presentations (83)

### (i) Invited presentations and courses (30)

1. *Dialectometry* (course). Linguistic Convergence Laboratory, Higher School of Economics, Moscow, Russia, September 10 - 14, 2018.
2. *Generalized additive modeling for phonetics* (course). Humboldt-Universität zu Berlin, Institut für deutsche Sprache und Linguistik, Berlin, Germany, August 30 - 31, 2018.
3. *(Mixed-effects) regression and generalized additive modeling* (course). Universität Stuttgart, Stuttgart, Germany, May 3 - 4, 2018.
4. *Statistics for Linguistics* (course). LOT Winter School, Amsterdam, January 8 - 12, 2018.
5. *Generalized additive modeling* (presentation). Institut für Phonetik und Sprachverarbeitung, Ludwig-Maximilians-Universität München, Munich, Germany, December 20, 2017.
6. *Generalized additive modeling* (presentation). Winter School on Multilingualism, Groningen, November 9 - 10, 2017.
7. *Quantitative analyses of dialect variation* (presentation). Meertens Instituut, Amsterdam, October 24, 2017.
8. *Discovering articulatory patterns using generalized additive modeling* (presentation). Dynamic Modeling III workshop, Cologne, Germany, July 18 - 19, 2017.
9. *Generalized additive modeling as a useful tool for dialectometry* (presentation). Sociodialectometry Panel, ICLaVE, Málaga, Spain, June 6 - 9, 2017.
10. *Statistics for linguists in R* (course). Istituto di Linguistica Computazionale, Consiglio Nazionale delle Ricerche, Pisa, Italy, May 2 - 5, 2017.
11. *Mixed-effects regression and generalized additive modeling* (course). Centre de Recherche Cerveau & Cognition, Toulouse, France, March 30 - 31, 2017.
12. *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.
13. *Modeling the influence of geography in dialect variation* (presentation). FLAMES-colloquium "Topics for Spatial Statistics", Leuven, Belgium, November 28, 2016.
14. *Investigating language variation quantitatively* (presentation). EuroScience Open Forum 2016, Manchester, United Kingdom, July 23 - 27, 2016.
15. *Pronunciation variation on the tip of the tongue* (presentation). BCN Winter meeting, Groningen, February 11, 2016.
16. *Investigating language variation using articulatory data* (presentation). Netherlands Cancer Institute, Amsterdam, October 13, 2015.
17. *Generalized additive modeling* (course). McGill, Neurocognition of Language Lab, Montréal, Canada, March 20 - 22, 2015.
18. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Tübingen, Englisches Seminar, Tübingen, Germany, February 9 - 10, 2015.
19. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, February 2 - 3, 2015.
20. *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.
21. *Methods in Dialectometry* (presentation). Ghent University, Department of Linguistics, Ghent, Belgium, October 16, 2014.
22. *Comparing pronunciations on the basis of transcriptions and articulatory data* (presentation). Radboud University, Centre for Language Studies, Nijmegen, October 15, 2014.
23. *What the tongue can tell us about dialects?* (presentation). Frontiers of Language Variation Workshop, Methods in Dialectology XV, Groningen, August 11 - 14, 2014.
24. *Generalized additive modeling for linguists* (course). University Leiden, Center of Linguistics, Leiden, July 10 - 11, 2014.
25. *Mixed-effects regression and generalized additive modeling for linguists* (course). Universität

- Oldenburg, Institut für Niederlandistik, Oldenburg, Germany, June 30 - July 1, 2014.
26. *Introduction to mixed-effects regression for (psycho)linguists* (presentation). IMS Stuttgart, Stuttgart, Germany, December 16, 2013.
  27. *Integrating traditional dialectology and sociolinguistics: generalized additive modeling* (presentation). New Ways of Analyzing Variation (NWAY) 42, Pittsburgh, USA, October 17 - 20, 2013 [with R. Harald Baayen].
  28. *Inducing and using phonetic similarity* (presentation). Language Diversity Conference, Groningen, July 20, 2013 [with John Nerbonne].
  29. *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.
  30. *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 (53)**

1. *Generalized additive modeling* (course). Centre for Language Sciences, Macquarie University, Sydney, Australia, December 3, 2018.
2. *Introductory course on Advanced Regression Methods for Linguistics* (course). ESSLLI 2018, Sofia, Bulgaria, August 6 - 10, 2018.
3. *Articulatory differences between L1 and L2 speakers of English* (presentation). Conference on Multilingualism, Groningen, November 6 - 9, 2017.
4. *Articulatory differences between L1 and L2 speakers of English* (presentation). 11th International Seminar on Speech Production, Tianjin, China, October 16 - 19, 2017.
5. *Dialect-specific articulatory settings* (presentation). Methods in Dialectology XVI, Tokyo, Japan, August 7 - 11, 2017.
6. *Articulatory differences between L1 and L2 speakers of English* (poster presentation). 7th International Conference on Speech Motor Control, Groningen, July 5 - 8, 2017.
7. *Determinants of English Accents* (presentation). 6th Conference on Quantitative Investigations in Theoretical Linguistics, Tübingen, Germany, November 4 - 6, 2015.
8. *Taalvariatie: patronen in uitspraak en tongbewegingen* (guest lecture). De Jonge Akademie meeting, Groningen, September 21, 2015.
9. *Investigating dialectal differences using articulography* (poster presentation). 18th International Congress of Phonetic Sciences, Glasgow, United Kingdom, August 10 - 14, 2015.
10. *Analyzing time series data using generalized additive modeling* (course). LSA Institute, Chicago, USA, July 6 - 17, 2015 [with Jacolien van Rij].
11. *Measuring foreign accent strength* (guest lecture). University of Cambridge, Department of Theoretical and Applied Linguistics, Cambridge, United Kingdom, January 13, 2015.
12. *Patterns of language variation* (guest lecture). Digital Humanities Day 2014, Groningen, October 31, 2014.
13. *Gabmap tutorial* (guest lecture). Ghent University, Department of Linguistics, Ghent, Belgium, October 15, 2014.
14. *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.
15. *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.
16. *Comparing dialect and accented pronunciations on the basis of transcriptions and articulography* (guest lecture). Linguistic Data Consortium, Philadelphia, USA, September 12,



- 2014.
17. *Generalized additive models in R* (guest lecture). Haskins Laboratories, New Haven, USA, September 9, 2014.
  18. *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**].
  19. *Accessing large dialect databases on RADAR* (presentation). Methods in Dialectology XV, Groningen, August 11 - 14, 2014 [with Clive Upton].
  20. *Large-scale analysis of articulatory trajectories using generalized additive modeling* (poster presentation). 10th International Seminar on Speech Production, Cologne, Germany, May 5 - 8, 2014.
  21. *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.
  22. *Articulography for studying language variation* (guest lecture). Haskins Laboratories, New Haven, USA, October 24, 2013.
  23. *Articulography for studying language variation* (guest lecture). City University New York, Speech Production, Acoustics and Perception Laboratory, New York, USA, October 16, 2013.
  24. *A cognitively grounded measure of pronunciation distance* (presentation). Donders Workshop, Radboud University, Nijmegen, September 23, 2013 - May 21, 2018.
  25. *A cognitively grounded automatic measure of pronunciation distance* (presentation). 5th Conference on Quantitative Investigations in Theoretical Linguistics, Leuven, Belgium, September 12 - 14, 2013.
  26. *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.
  27. *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.
  28. *Mixed-effects regression and generalized additive modeling in linguistics* (course). LOT Summer School, Groningen, June 24 - 28, 2013 [with Jacolien van Rij].
  29. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (poster presentation). Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2012.
  30. *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.
  31. *A quantitative investigation of English accents* (poster presentation). BCN New Year's Meeting, Groningen, February 2, 2012 [**best poster award**].
  32. *Segment distances and foreign accents* (guest lecture). LOT Winter School, Tilburg, January 12, 2012.
  33. *Gabmap tutorial* (guest lecture). Göteborgs Universitet, Gothenburg, Sweden, October 26, 2011 [with John Nerbonne and Therese Leinonen].
  34. *Inducing a measure of phonetic similarity from dialect variation* (presentation). Workshop on Comparing Approaches to Measuring Linguistic Differences, Gothenburg, Sweden, October 24 - 25, 2011.
  35. *A sociolinguistic analysis of aggregate dialect distances* (presentation). Methods in Dialectology XIV, London (ON), Canada, August 1 - 5, 2011.
  36. *A sociolinguistic analysis of dialect distances* (poster presentation). BCN New Year's Meeting, Groningen, February 17, 2011.
  37. *On the sublinear distribution of linguistic variation with respect to geography* (presentation).

- Forum Sprachvariation, Erlangen, Germany, October 14 - 15, 2010.
38. *Dialectometry and hierarchical bipartite spectral graph partitioning* (guest lecture). Makerere University, Department of Machine Learning, Kampala, Uganda, September 23, 2010.
  39. *Text Manipulation and Hidden Markov Models* (course). Makerere University, College of Computing and Information Sciences, Kampala, Uganda, September 20 - 22, 2010.
  40. *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.
  41. *Dialectometry in Groningen* (guest lecture). University of Alberta, Department of Linguistics, Edmonton, Canada, August 11, 2010.
  42. *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.
  43. *A graph-theoretic analysis of English dialects* (presentation). Bloomsday 2010: Echoes of Albion Workshop, Groningen, June 16, 2010.
  44. *On the sublinear distribution of linguistic variation with respect to geography* (presentation). 31st TABU Dag, Groningen, June 3 - 4, 2010.
  45. *Co-clustering varieties and linguistic features using bipartite spectral graph partitioning* (presentation). Computational Linguistics in The Netherlands 20, Utrecht, February 5, 2010 - May 21, 2018.
  46. *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].
  47. *Bipartite spectral graph partitioning to co-cluster varieties and sound correspondences in dialectology* (presentation). TextGraphs-4 ACL Workshop, Singapore, August 7, 2009.
  48. *Tools for detecting geographical and structural affinities* (presentation). Workshop on Small Tools for Cross-Linguistic Research, Utrecht, June 15 - 16, 2009.
  49. *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.
  50. *Evaluation of pairwise string alignment methods* (presentation). Computational Linguistics in the Netherlands 19, Groningen, January 22, 2009.
  51. *Dialect pronunciation comparison using the Goeman-Taeldeman-Van Reenen-project data* (presentation). Computational Linguistics in the Netherlands 17, Leuven, Belgium, January 12, 2007.
  52. *Parsing partially bracketed input* (presentation). Computational Linguistics in the Netherlands 16, Amsterdam, December 16, 2005.
  53. *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.

**Publications** (74; first author: 35; submitted: 3; book contract: 1)

(i) **Peer-reviewed publications in scientific journals** (39; first author: 18; submitted: 1)

1. **Wieling, M.**, Rawee, J., & van Noord, G. (**submitted**, 2018/05/14). Reproducibility in computational linguistics: are we willing to share?. *Computational Linguistics*.
2. **Wieling, M.** (2018, forthcoming). 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*.

3. 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.
4. 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.
5. 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).
6. 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.
7. 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.
8. 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.
9. [Wieling, M.](#), & Tiede, M. (2017). Quantitative identification of dialect-specific articulatory settings. *Journal of the Acoustical Society of America*, 142(1), 389 - 394.
10. 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.
11. [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.
12. 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.
13. [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.
14. 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.
15. 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.
16. [Wieling, M.](#), & Nerbonne, J. (2015). Advances in dialectometry. *Annual Review of Linguistics*, 1, 243-264.
17. 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.
18. [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.
19. [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.
20. 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.
21. 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.
22. [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.
  23. [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.
  24. 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.
  25. 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.
  26. 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.
  27. 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.
  28. [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.
  29. [Wieling, M.](#), Margaretha, E., & Nerbonne, J. (2012). Inducing a measure of phonetic similarity from pronunciation variation. *Journal of Phonetics*, 40(2), 307 - 314.
  30. 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.
  31. [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.
  32. [Wieling, M.](#), & Nerbonne, J. (2011). Measuring linguistic variation commensurably. *Dialectologia*, Special Issue II: Production & Perception and Attitude, 141 - 162.
  33. [Wieling, M.](#), Margaretha, E., & Nerbonne, J. (2011). Inducing phonetic distances from dialect variation. *Computational Linguistics in the Netherlands Journal*, 1, 109 - 118.
  34. [Wieling, M.](#), Nerbonne, J., & Baayen, R. H. (2011). Quantitative social dialectology: explaining linguistic variation geographically and socially. *PLOS ONE*, 6(9), e23613.
  35. 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.
  36. [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.
  37. 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.
  38. 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.
  39. [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* (10; first author: 4; submitted: 1)

1. Verspoor, M., Lowie, W., & **Wieling, M.** (submitted, 2018/03/25). L2 developmental measures from a dynamic perspective. In: Magali Paquot, & Bert LeBruyn (eds.) *Learner Corpora and Second Language Acquisition*. Cambridge University Press.
2. **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.
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. 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.
5. **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.
6. **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.
7. **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.
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. 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 Filología Vasca "Julio de Urquijo", pp. 41 - 56.
10. 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)** (21; first author: 11; submitted: 1)

1. Kunikoshi, A., Kruitbosch, H. T., van Leeuwen, D., & **Wieling, M.** (submitted, 2018/03/23). Automatic accent classification using automatically detected pronunciation variants. Interspeech 2018.
2. Medvedeva, M., Vols, M., & **Wieling, M.** (2018, forthcoming). Judicial decisions of the European Court of Human Rights: looking into the crystal ball. Proceedings of the Conference on Empirical Legal Studies in Europe 2018.
3. 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.
4. 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.
5. 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.
  6. [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.
  7. 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.
  8. [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.
  9. [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.
  10. [Wieling, M.](#), Tomaschek, F., Arnold, D., Tiede, M., & Baayen, R. H. (2015). Investigating dialectal differences using articulography. Proceedings of ICPhS 2015, Paper 231.
  11. [Wieling, M.](#), Veenstra, P., Adank, P., Weber, A., & Tiede, M. (2015). Comparing L1 and L2 speakers using articulography. Proceedings of ICPhS 2015, Paper 551.
  12. 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.
  13. 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.
  14. 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.
  15. [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.
  16. 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.
  17. [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.
  18. [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.
  19. [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.
  20. [Wieling, M.](#), & Nerbonne, J. (2007). Dialect pronunciation comparison and spoken word recognition. Proceedings of the RANLP 2007 Workshop on Computational Phonology, pp. 71 - 78.
  21. [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**, ~2020). *Regional Dialectology: Quantitative Approaches using R*. Cambridge University Press. Book contract signed: May 2017.
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. (2017). *itsadug: Interpreting Time Series and Autocorrelated Data Using GAMMs*. Version 2.3.

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

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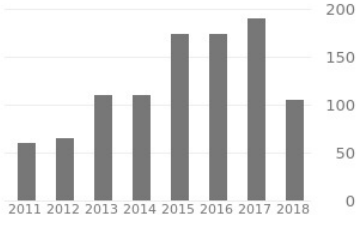
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<a href="#">Bipartite spectral graph partitioning for clustering dialect varieties and detecting their linguistic features</a> <small>M Wieling, J Nerbonne Computer Speech &amp; Language 25 (3), 700-715</small>	62	2011
<a href="#">Evaluating the pairwise string alignment of pronunciations</a> <small>M Wieling, J Prokić, J Nerbonne Proceedings of the EACL 2009 Workshop on Language Technology and Resources ...</small>	55	2009
<a href="#">Inducing a measure of phonetic similarity from pronunciation variation</a> <small>M Wieling, E Margaretha, J Nerbonne Journal of Phonetics 40 (2), 307-314</small>	49	2012
<a href="#">Multiple sequence alignments in linguistics</a> <small>J Prokić, M Wieling, J Nerbonne Proceedings of the EACL 2009 Workshop on Language Technology and Resources ...</small>	42	2009

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