R. Harald Baayen

curriculum vitae

affiliation Seminar für Sprachwissenschaft
Eberhard Karls Universität Tübingen
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and till 2018

Department of Linguistics
University of Alberta
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updated December 2022

education

1989 **Ph.D. General Linguistics**, *Free University*, Amsterdam, The Netherlands.
supervised by G. E. Booij and R. D. Gill

1985 **Doctoraalexamen General Linguistics (≃M.A.)**, *Free University*, Amsterdam, The Netherlands.

1983 **Kandidaatsexamen Theology (≃B.A.)**, *Free University*, Amsterdam, The Netherlands.

1979 **General Linguistics**, *Summer Institute of Linguistics*, High Wycombe, UK.

professional experience

2011-pres **Professor of Quantitative Linguistics**, *Eberhard Karls Universität*, Tübingen, Germany.

2007-2011 **Professor of Quantitative Linguistics**, *University of Alberta*, Edmonton, Canada.

2006-2007 **Professor of Quantitative Linguistics**, *Radboud University*, Nijmegen, The Netherlands.

1998-2005 **Postdoctoral Fellow**, *Radboud University*, Nijmegen, The Netherlands.

1990-1998 **Member of Scientific Staff**, *Max-Planck-Institut für Psycholinguistik*, Nijmegen, The Netherlands.

1989-1990 **Postdoctoral Fellow**, *Free University*, Amsterdam, The Netherlands.

1985-1988 **Teaching Fellow**, *Free University*, Amsterdam, The Netherlands.

sum 1980 **Teaching Assistant**, *Summer Institute of Linguistics*, High Wycombe, UK.

awards

2022 **ERC Advanced Grant SUBLIMINAL**, *European Research Council*, 2.5 million Euro.

2017 **ERC Advanced Grant WIDE**, *European Research Council*, 2.5 million Euro.

2012 **Elected member of the Academia Europaea**.

2011 **Alexander von Humboldt research award**, *Alexander von Humboldt Foundation*, Germany, 5 million Euro.

2011 **Fellow of the Centre for Advanced Study at the Norwegian Academy of Science and Letters**.

2011 **Research award Faculty of Arts**, *University of Alberta*, Edmonton, Canada.

2005 **KNAW Muller chair**, *Royal Netherlands Academy of Arts and Sciences*, Amsterdam, The Netherlands.

2004 **Erskine Fellowship**, *University of Canterbury*, Christchurch, New Zealand.

1998 **Pionier career advancement award**, *Netherlands Organization for Scientific Research (NWO)*, 1 million Euro.

externally funded research and research collaboration

2019-2021 **Center for Interdisciplinary Research (ZiF)**, Cooperation Group "Statistical Models for Psychological and Linguistic Data", University of Bielefeld (*Convenors: Reinhold Kliegl (Potsdam, GER), Harald Baayen (Tübingen, GER), Douglas Bates (Madison, USA)*).

2019-2022 **German Research Council (DFG), under Germany's Excellence Strategy**, "Machine Learning of Lexical Semantics with Image Mining", Cluster of Excellence "Machine Learning: New Perspectives for Science", University of Tübingen (*Principal Investigators Prof. Dr.-Ing. Hendrik P. A. Lensch, Prof. Dr. R. Harald Baayen*).

2019-2022 **German Research Council (DFG), part of a multi-site research unit (led by Prof. Dr. Ingo Plag, University of Düsseldorf)**, "The articulation of morphologically complex words", University of Tübingen (*Dr. Fabian Tomaschek, Motoki Saito M. A., Principal Investigator Prof. Dr. R. Harald Baayen*).

2019-2022 **Humboldt Research Fellowship for Experienced Researchers**, to *Dr. Cristóbal Pagán Cánovas*, University of Tübingen.
Host.

2018-2019 **DAAD scholarship for a Short-Term Research Grant**, to *PhD Candidate Motoki Saito*, University of Tübingen.
Host.

2016-2018 **German Research Council (DFG), part of a multi-site research unit (led by Prof. Dr. Ingo Plag, University of Düsseldorf)**, "The articulation of morphologically complex words", University of Tübingen (*Dr. Fabian Tomaschek, Principal Investigator Prof. Dr. R. Harald Baayen*).

2016-2020 **Education Fund Management Institution, Indonesia (Lembaga Pengelola Dana Pendidikan) PhD scholarship**, to *Karlina Denistia Hudijantoro*, University of Tübingen.
Host.

2015-2017 **Alexander von Humboldt Foundation post-doctoral fellowship**, to *Dr. Koji Miwa*, University of Tübingen.
Host.

2014-2015 **British Academy Skills Acquisition Award**, to *Dr. Melanie Bell*, Anglia Ruskin University, funding research visits to Tübingen.
Host.

2014-2015 **British Academy Skills Acquisition Award**, to *Dr. Cecile De Cat*, University of Leeds, funding research visits to Tübingen.
Host.

2014-2015 **British Academy Skills Acquisition Award**, to *Dr. Dagmar Divjak*, University of Sheffield, funding research visits to Tübingen.
Host.

2013-2014 **British Academy Skills Acquisition Award**, to *Dr. Lotte Meteyard*, University of Reading, funding research visits to Tübingen.
Host.

2012-2013 **Dutch Research Council (NWO) 'Rubicon' post-doctoral fellowship**, to *Dr. Martijn Wieling*, "Investigating language variation physically", University of Tübingen.
Host.

2008-2010 **Social Sciences and Humanities Research Council (SSHRC) Standard Research Grant**, "Lexical processing in discourse: a corpus-based approach", University of Alberta, Edmonton.

2003-2005 **Dutch Research Council (NWO) Collaborative grant 'NWO Klein Programma'**, "Morphophonological adaptation in spoken Dutch", University of Nijmegen.

computer skills

Operating systems	Linux
Office suites	OpenOffice
Programming skills	AWK, C, TCL-TK, PYTHON, R
Mark-up languages	LaTeX, HTML
Scientific software	R

languages

Dutch	native
English	near native
German	intermediate
French	intermediate
Greek	reading knowledge
Latin	reading knowledge
Akkadian	reading knowledge
Tiberian Hebrew	reading knowledge

PhD students

Yuxin Lu, University of Tübingen.

Maria Heitmeier, supervised together with Dijkstra, T., University of Tübingen.

Hassan Shahmohammadi, supervised together with Lensch, H., University of Tübingen.

Zohreh Ghaderi, supervised together with Lensch, H., University of Tübingen.

Mihi Kang, University of Tübingen.

Motoki Saito, supervised together with Tomaschek, F., University of Tübingen.

Elnaz Shafaei Bajestan, supervised together with Ramscar, M., University of Tübingen.

Maja Linke, supervised together with Ramscar, M., University of Tübingen.

Tino Sering, supervised together with Butz, M., University of Tübingen.

2021 **Tian Shen**, supervised together with Xu, Z., Shanghai Jiao Tong University.

2020 **Karlina Denistia**, *Quantitative studies on the Indonesian prefixes PE- and PEN-*, supervised together with Meurers, D., and Janda, L. A., University of Tübingen.

2018 **Kaidi Lõo**, *Words and Paradigms in the Mental Lexicon A Multi-Methodological Investigation of the Processing of Estonian Noun Inflection*, supervised together with Jarvikivi, J., University of Alberta.

2016 **June Sun**, *Lexical Processing in Simplified Chinese: An Investigation Using a New Large-Scale Lexical Database*, University of Tübingen.

2015 **Peter Hendrix**, *Experimental Explorations of a Discrimination Learning Approach to Language Processing*, University of Tübingen.

Kristina Geeraert, *Climbing on the bandwagon of idiomatic variation: A multi-methodological approach*, supervised together with Newman, J., University of Alberta.

2014 **Guangting Wang**, *Chinese compound processing in sentences with rapid serial visual presentation*, University of Alberta.

Hien Pham, *Visual processing of Vietnamese compound words: A multivariate analysis using corpus linguistic and psycholinguistic paradigms*, supervised together with Tucker, B., University of Alberta.

2013 **Philip Dilts**, *Emergence of wordlikeness in the mental lexicon: Language, population, and task effects in visual word recognition*, supervised together with Tucker, B., University of Alberta.

Koji Miwa, *Emergence of wordlikeness in the mental lexicon: Language, population, and task effects in visual word recognition*, supervised together with Bolger, P., University of Alberta.

2012 **Karen Keune**, *Explaining register and sociolinguistic variation in the lexicon: Corpus studies on Dutch*, supervised together with Hout, R. van, University of Nijmegen.

Martijn Wieling, *A Quantitative Approach to Social and Geographical Dialect Variation*, supervised together with Nerbonne, J., University of Groningen.

2011 **Laura Teddiman**, *An Experimental Investigation of Suffix Ordering in English*, University of Alberta.

Georgie Columbus, *Multiword units in sentence reading and unit presentation using ERP and eye movement data*, supervised together with Bolger, P., University of Alberta.

2010 **Karin Nault**, *Morphological therapy protocol*, supervised together with Libben, G., University of Alberta.

Wieke Tabak, *Semantics and (Ir)regular Inflection in Morphological Processing*, supervised together with Schreuder, R., and M. Ernestus, University of Nijmegen.

2008 **Laura Winther Balling**, *Morphological Effects in Danish Auditory Word Recognition*, supervised together with Bohn, O.-S., and S. Vikner, University of Aarhus, Denmark.

Victor Kuperman, *Lexical processing of morphologically complex words: an information-theoretical perspective*, supervised together with Schreuder, R., and M. Ernestus, University of Nijmegen, The Netherlands.

2007 **Mark Pluymakers**, *Frequency effects in the acoustic realization of morphologically complex words*, supervised together with Ernestus, M., and R. Schreuder, University of Nijmegen, The Netherlands.

Heidrun Bien, *On the production of morphologically complex words with special attention to effects of frequency*, supervised together with Levelt, W. J. M., University of Nijmegen, The Netherlands.

2004 **Rachel Kemps**, *Morphology in auditory lexical processing: sensitivity to fine phonetic detail and insensitivity to suffix reduction*, supervised together with Schreuder, R., and M. Ernestus, University of Nijmegen, The Netherlands.

2003 **Fermin Moscoso del Prado Martin**, *Paradigmatic structures in morphological processing*, supervised together with Schreuder, R., University of Nijmegen, The Netherlands.

2002 **Nivja de Jong**, *Morphological families in the mental lexicon*, supervised together with Schreuder, R., University of Nijmegen, The Netherlands.

2001 **Andrea Krott**, *Analogy in morphology: the selection of linking elements in Dutch compounds*, supervised together with Schreuder, R., University of Nijmegen, The Netherlands.

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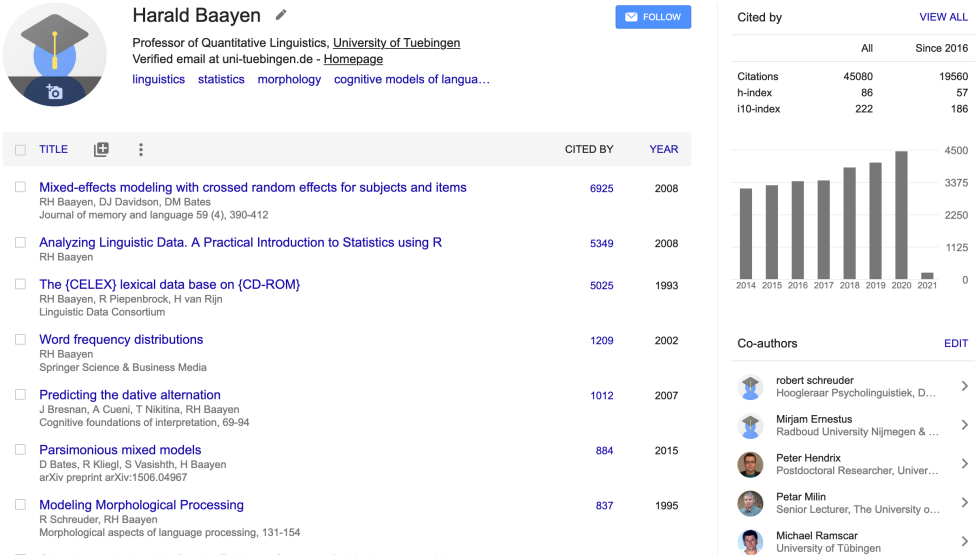

books and edited volumes (5)

Baayen, R. H. (2008). *Analyzing Linguistic Data: A practical introduction to statistics using R*. Cambridge University Press, Cambridge, UK [url]

Baayen, R. H., and R. Schreuder, (Eds.) (2003). *Morphological Structure in Language Processing*. De Gruyter Mouton, Berlin. [url]

Baayen, R. H. (2001). *Word Frequency Distributions*. Kluwer Academic Publishers, Dordrecht. [url]

Baayen, R. H., and J. d. Waard, (Eds.) (1990). *Aspecten van Bijbelvertalen*. Nederlands Bijbelgenootschap, Haarlem. [url]

Baayen, R. H. (1989). *A corpus-based approach to morphological productivity. Statistical Analysis and Psycholinguistic Interpretation*. Free University, Amsterdam, Netherlands. [url]

submitted/under revision (3)

Tomaschek, F., B. V. Tucker, M. Ramscar, and R. H. Baayen. How is anticipatory coarticulation of suffixes affected by lexical proficiency? *PsyArXiv*, July 4, 2019, 1-34. [preprint] [doi]

Traub, M., M. V. Butz, R. H. Baayen, and S. Otte. Learning Precise Spike Timings with Eligibility Traces. *PsyArXiv*, May 8, 2020, 1-11. [preprint] [doi]

Tucker, B. V., M. Sims, and R. H. Baayen. Opposing forces on acoustic duration. *PsyArXiv*, March 19, 2019, 1-38. [preprint] [doi]

accepted/in press (1)

Chuang, Y.-Y., M. Kang, X. F. Luo, and R. H. Baayen. Vector Space Morphology with Linear Discriminative Learning. *Linguistic morphology in the mind and brain*. [preprint]

journal articles (186)

2022

Baayen, R. H., M. Fasiolo, S. Wood, and Y.-Y. Chuang (2022). A note on the modeling of the effects of experimental time in psycholinguistic experiments. *The Mental Lexicon*, 1-35. [pdf] [doi]

Denistia, K., and R. H. Baayen (2022). Affix substitution in Indonesian: A computational modeling approach. *Linguistics*, 1-32. [pdf] [doi]

2021

Denistia, K., E. Shafaei-Bajestan, and R. H. Baayen (2021). Exploring semantic differences between the Indonesian prefixes PE- and PEN- using a vector space model. *Corpus Linguistics and Linguistic Theory*, 18 (3), 573-598. [pdf] [doi]

Heitmeier, M., Y.-Y. Chuang, and R. H. Baayen (2021). Modeling morphology with Linear Discriminative Learning: considerations and design choices. *Frontiers in Psychology*, 12, 4929. [pdf] [doi]

Hennecke, I., and R. H. Baayen (2021). Romance N Prep N constructions in visual word recognition: An eye-tracking study of French, Spanish and Portuguese. *The Mental Lexicon*, 16 (1), 98-132. [pdf] [doi]

Miwa, K., and R. H. Baayen (2021). Nonlinearities in bilingual visual word recognition: An introduction to generalized additive modeling. *Bilingualism: Language and Cognition*, 1-25. [pdf] [doi]

Shafaei-Bajestan, E., M. Moradipour-Tari, P. Uhrig, and R. H. Baayen (2021). LDL-AURIS: A computational model, grounded in error-driven learning, for the comprehension of single spoken words. *Language, Cognition and Neuroscience*, 1-28. [pdf] [doi]

Shen, T., and R. H. Baayen. (2021). Adjective-Noun Compounds in Mandarin: a Study on Productivity. *Corpus Linguistics and Linguistic Theory*, 1-30. [preprint] [doi]

Tomaschek, F., B. V. Tucker, M. Ramscar, and R. H. Baayen (2021). Paradigmatic enhancement of stem vowels in regular English inflected verb forms. *Morphology*, 1-29. [pdf] [doi]

2020

Baayen, R. H., and E. Smolka (2020). Modeling morphological priming in German with naive discriminative learning. *Frontiers in Communication, section Language Sciences*, 1-40. [preprint] [doi]

Chuang, Y.-Y., M. J. Bell, I. Banke, and R. H. Baayen (2020). Bilingual and multilingual mental lexicon: a modeling study with Linear Discriminative Learning. *Language Learning*, 1-73. [preprint] [doi]

Chuang, Y-Y., M-L. Vollmer, E. Shafaei-Bajestan, S. Gahl, P. Hendrix, and R. H. Baayen (2020). The processing of pseudoword form and meaning in production and comprehension: A computational modeling approach using Linear Discriminative Learning. *Behavior Research Methods*, 1-51. [preprint] [doi]

Geeraert, K., J. Newman, and R. H. Baayen (2020). Variation Within Idiomatic Variation: Exploring the Differences Between Speakers and Idioms. *East European Journal of Psycholinguistics*, 9-27. [pdf] [doi]

Heitmeier, M., and R. H. Baayen. (2020). Simulating phonological and semantic impairment of English tense inflection with Linear Discriminative Learning. *The Mental Lexicon*, 15, 385-421. [preprint] [doi]

Ran Y., Z. Huang, T. Baden, T. Schubert, R. H. Baayen, P. Berens, K. Franke, and T. Euler (2020). Type-specific dendritic integration in mouse retinal ganglion cells. *Nature Communications*, 11, 1-15. [preprint] [doi]

Sun, K., and R. H. Baayen (2020). Hyphenation as a compounding technique in English. *Language Sciences*, 1-20. [pdf] [doi]

2019

Baayen, R. H. (2019). Are You Listening? Teaching a Machine to Understand Speech. *Scientia*, 2019, 1-5. [pdf] [doi]

Baayen, R. H. (2019). Understanding and producing words with high-school maths. *Open Access Government*, 23, ICT, 424-425. [pdf] [http]

Baayen, R. H., Y.Y. Chuang, E. Shafaei-Bajestan and J. P. Blevins (2019). The discriminative lexicon: A unified computational model for the lexicon and lexical processing in comprehension and production grounded not in (de)composition but in linear discriminative learning. *Complexity*, 2019, 1-39. [preprint] [doi]

Cassani, G., Y.-Y. Chuang, and R. H. Baayen. On the semantics of non-words and their lexical category. *Journal of Experimental Psychology. Learning, Memory and Cognition* , July 18, 2019, 1-49. [preprint] [doi]

Denistia, K., and R. H. Baayen (2019). The Indonesian prefixes PE- and PEN-: A study in productivity and allomorphy. *Morphology*, 2019, 1-23. [doi]

Gahl, S. and R. H. Baayen (2019). Twenty-eight years of vowels: Tracking phonetic variation through young to middle age adulthood. *Journal of Phonetics*, 74, 42-54. [preprint] [doi]

Hendrix, P., M. Ramscar, and R. H. Baayen (2019). NDRA: A single route model of response times in the reading aloud task based on discriminative learning. *PLOS ONE 14 (7): e0218802.* [doi]

Pham, H., B. V. Tucker, and R. H., Baayen, (2019). Constructing two Vietnamese corpora and building a lexical database. *Language Resources and Evaluation*, 53, 3, 465-498. [doi]

Rij, J. van., P. Hendriks, Rijn, H. van, Baayen, R. H., and S. N. Wood (2019). Analyzing the Time Course of Pupillometric Data. *Trends in Hearing*, 23, 1-22. [doi]

Tomaschek, F., I. Plag, M. Ernestus and R. H. Baayen (2019). Phonetic effects of morphology and context: Modeling the duration of word-final S in English with naïve discriminative learning. *Journal of Linguistics*, 1-39. [preprint] [doi]

Wulff, D. U., S. De Deyne, M. N. Jones, R. Mata, and The Aging Lexicon Consortium: J. L. Austerweil, R. H. Baayen, EtAl (2019). New Perspectives on the Aging Lexicon. *Trends in Cognitive Sciences*, 1-13. [preprint] [doi]

2018

Baayen, R. H., Y.Y. Chuang, and J. P. Blevins (2018). Inflectional morphology with linear mappings. *The Mental Lexicon*, 13 (2), 230-268. [preprint] [doi] [Corresponding R package]

Libben, G., M. Goral and R. H. Baayen (2018). What does constituent priming mean in the investigation of compound processing? *The Mental Lexicon*, 13 (2), 269-284. [doi]

Lõo, K., J. Järvikivi, and R. H. Baayen (2018). Whole-word frequency and inflectional paradigm size facilitate Estonian case-inflected noun processing. *Cognition*, 175, 20-25. [preprint] [doi]

Lõo, K., J. Järvikivi, F. Tomaschek, B. V. Tucker, and R. H. Baayen (2018). Production of Estonian case-inflected nouns shows whole-word frequency and paradigmatic effects. *Morphology*, 28 (1), 71-97. [preprint] [doi]

Olejarczuk, P., V. Kapatsinski, and R. H. Baayen (2018). Distributional learning is error-driven: The role of surprise in the acquisition of phonetic categories. *Linguistics Vanguard*, 4(S2). [doi]

Roettger, T. B., B. Winter and R. H. Baayen (2018). Emergent data analysis in phonetic sciences: Towards pluralism and reproducibility. *Journal of Phonetics*, 73, 1-7. [doi]

Sering, K., P. Milin, and R. H. Baayen (2018). Language comprehension as a multi-label classification problem. *Statistica Neerlandica*, 72, 339–353. [preprint] [doi]

Sun, C. C., P. Hendrix, J. Q. Ma, and R. H. Baayen (2018). Chinese Lexical Database (CLD): A large-scale lexical database for simplified Mandarin Chinese. *Behavior Research Methods*, 1-24. [preprint] [doi]

Tomaschek, F., D. Arnold, F. Bröker, and R. H. Baayen (2018). Lexical frequency co-determines the speed-curvature relation in articulation. *Journal of Phonetics*, 68, 103-116. [doi]

Tomaschek, F., P. Hendrix, and R. H. Baayen (2018). Strategies for addressing collinearity in multivariate linguistic data. *Journal of Phonetics*, 71, 249-267. [doi]

Tomaschek, F., B. V. Tucker, M. Fasiolo, and R. H. Baayen (2018). Practice makes perfect: The consequences of lexical proficiency for articulation. *Linguistics Vanguard*, 4, 1-13. [preprint] [doi]

2017

Arnold, D., F. Tomaschek, K. Sering, F. Lopez, and R. H. Baayen (2017). Words from spontaneous conversational speech can be recognized with human-like accuracy by an error-driven learning algorithm that discriminates between meanings straight from smart acoustic features, bypassing the phoneme as recognition unit. *PLoS ONE 12(4): e0174623.* [doi]

Baayen, R. H., S. Vasishth, R. Kliegl, and D. Bates (2017). The cave of shadows. Addressing the human factor with generalized additive mixed models. *Journal of Memory and Language*, 94, 206 – 234. [preprint] [doi] [supplementCave]

Geeraert, K., J. Newman, and R. H. Baayen (2017). Idiom variation: Experimental data and a blueprint of a computational model. In Christiansen, M. and I. Arnon (Eds.) *More than Words: The Role of Multiword Sequences in Language Learning and Use. Special issue of Topics in Cognitive Science*, 9 (3), 653 - 669. [preprint] [doi]

Hennecke, I., and R. H. Baayen (2017). A quantitative survey of N Prep N constructions in Romance languages and prepositional variability. *Quaderns de Filologia*, 22, 129-146. [preprint] [doi]

Linke, M., F. Bröker, M. Ramscar, and R. H. Baayen (2017). Are baboons learning "orthographic" representations? Probably not. *PLOS ONE 12 (8): e0183876.* [doi]

Matuschek, H., R. Kliegl, S. Vasishth, R. H. Baayen, and D. Bates (2017). Balancing type I error and power in linear mixed models. *Journal of Memory and Language*, 94, 305 - 315. [preprint] [doi]

Milin, P., D. Divjak, and R. H. Baayen (2017). A learning perspective on individual differences in skilled reading: Exploring and exploiting orthographic and semantic discrimination cues. *Journal of Experimental Psychology*, 43 (11), 1730 - 1751. [preprint] [doi]

Milin, P., L. B. Feldman, M. Ramscar, P. Hendrix, and R. H. Baayen (2017). Discrimination in lexical decision. *PLoS ONE* 12 (2): e0171935. [preprint] [paper package] [doi]

Pham, H., B. V. Tucker, and R. H. Baayen (2017). Morphological effects in reading aloud Vietnamese compounds. *Language and Life*, 13 (267), 11-24. [preprint]

Ramscar, M., C. C. Sun, P. Hendrix, and R. H. Baayen (2017). The Mismeasurement Of Mind: Lifespan Changes in Paired Associate Test Scores Reflect The 'Cost' Of Learning, Not Cognitive Decline. *Psychological Science*, 28 (8), 1171-1179. [preprint] [doi]

2016

Baayen, R. H., P. Milin, and M. Ramscar (2016). Frequency in lexical processing. *Aphasiology*, 30, 1174 – 1220. [preprint] [doi]

Hendrix, P., P. Bolger, and R. H. Baayen (2016). Distinct ERP signatures of word frequency, phrase frequency, and prototypicality in speech production. *Journal of Experimental Psychology LMC*, 43 (1), 128 - 149. [preprint] [doi]

Milin, P., D. Divjak, S. Dimitrijević, and R. H. Baayen (2016). Towards cognitively plausible data science in language research. *Cognitive Linguistics*, 27: 507-526. [doi]

Nixon, J., J. van Rij, P. Mok, R. H. Baayen, and Y. Chen (2016). The temporal dynamics of perceptual uncertainty: eye movement evidence from Cantonese segment and tone perception. *Journal of Memory and Language*, 90: 103 - 125. [doi]

Stolarova, M., A. Brielmann, C. Wolf, T. Rinker, T. Burke, and R. H. Baayen (2016). Early vocabulary in relation to gender, bilingualism, type and duration of childcare. *Advances in Cognitive Psychology*, 12: 130–144. [preprint] [doi]

Wieling, M., F. Tomaschek, D. Arnold, M. Tiede, F. Bröker, S. Thiele, S. N. Wood, and R. H. Baayen (2016). Investigating dialectal differences using articulography. *Journal of Phonetics*, 59: 122 - 143. [preprint] [doi]

2015

Baayen, R. H., C. Shaoul, J. Willits, and M. Ramscar (2015). Comprehension without segmentation: A proof of concept with naive discriminative learning. *Language, Cognition, and Neuroscience*, 31: 106–128. [preprint] [doi]

De Cat, C., E. Klepousniotou, and R. H. Baayen (2015). Representational deficit or processing effect? An electrophysiological study of noun-noun compound processing by very advanced L2 speakers of English. *Frontiers in Psychology (Language Sciences)*, 6: 77. [preprint] [doi]

Mulder, K., T. Dijkstra and R. H. Baayen (2015). Cross-language activation of morphological relatives in cognates: the role of orthographic overlap and task-related processing. *Frontiers in Human Neuroscience*, 9: 16. [doi]

Pham, H., and R. H. Baayen (2015). Vietnamese compounds show an anti-frequency effect in visual lexical decision. *Language, Cognition, and Neuroscience*, 30: 1077–1095. [preprint] [doi]

2014

Mulder, K., T. Dijkstra, R. Schreuder, and R. H. Baayen (2014). Effects of primary and secondary morphological family size in monolingual and bilingual word processing. *Journal of Memory and Language*, 72: 59–84. [preprint] [doi]

Ramscar, M., and R. H. Baayen (2014). The myth of cognitive decline: why our minds improve as we age. *New Scientist*, 2961: 28–29. [preprint] [doi]

Ramscar, M., P. Hendrix, C. Shaoul, P. Milin, and R. H. Baayen (2014). The myth of cognitive decline: Nonlinear dynamics of lifelong learning. *Topics in Cognitive Science*, 6: 5–42. [doi]

Shaoul, C., R. H. Baayen, and C. F. Westbury (2014). N-gram probability effects in a cloze task. *The Mental Lexicon*, 9: 437–472. [preprint] [doi]

Wieling, M., S. Montemagni, J. Nerbonne, and R. H. Baayen (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. [preprint] [doi]

Wieling, M., J. Nerbonne, J. Bloem, C. Gooskens, W. Heeringa, and R. H. Baayen (2014). A cognitively grounded measure of pronunciation distance. *PloS ONE*, 9 (1): e75734. [preprint] [doi]

2013

Baayen, R. H., P. Hendrix, and M. Ramscar (2013). Sidestepping the Combinatorial Explosion: An Explanation of *n*-gram Frequency Effects Based on Naive Discriminative Learning. *Language and Speech*, 56: 329–347. [preprint] [doi]

Baayen, R. H., L. A. Janda, T. Nesset, A. Endresen, and A. Makarova (2013). Making choices in Russian: Pros and cons of statistical methods for rival forms. *Russian Linguistics*, 37: 253–291. [preprint] [doi]

Kösling, K., G. Kunter, R. H. Baayen, and I. Plag (2013). Prominence in triconstituent compounds: Pitch contours and linguistic theory. *Language and Speech*, 56 (4): 529–554. [preprint] [doi]

Miwa, K., T. Dijkstra, P. Bolger, and R. H. Baayen (2013). Reading English with Japanese in mind: Effects of frequency, phonology, and meaning in different-script bilinguals. *Bilingualism: Language and Cognition*, 17: 445–463. [preprint] [doi]

Miwa, K., G. Libben, T. Dijkstra, and R. H. Baayen (2013). The time-course of lexical activation in Japanese morphographic word recognition: Evidence for a character-driven processing model. *The Quarterly Journal of Experimental Psychology*, 67 (1): 79–113. [preprint] [doi]

Pham, H., and R. H. Baayen (2013). Semantic relations and compound transparency: A regression study in carin theory. *Psychologia*, 46 (4): 455–478. [doi]

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Baayen, R. H., Shafaei-Bajestan, E., Chuang, Y.-Y., and Heitmeier, M., Productivity in inflection, 44th Annual Conference of the German Linguistic Society (DGfS 2022), Tübingen, Germany, February 23, 2022 (virtual talk).

Baayen, R. H., and Gahl, S., Time and thyme again: Connecting spoken word duration to models of the mental lexicon, Morphology in Production and Perception (MPP2022), Düsseldorf, Germany, February 7, 2022 (virtual talk).

Baayen, R. H., Chuang, Y.-Y., Hsieh, S.-K., Tseng, S., Chen, J., and Shen, T., Conceptualising for compounding: Mandarin two-syllable compounds and names, Workshop on Morphology and Word Embeddings, Tübingen, Germany, January 18, 2022 (virtual talk).

2021 Baayen, R. H.„ Explorations into gesture, 2021 International Conference on Multimodal Communication: Emerging Computational and Technical Methods (ICMC2021), Changsha, China, December 11, 2021 (virtual talk).

Heitmeier, M., Chuang, Y.-Y., and Baayen, R. H., Modeling German nonword plural productions with Linear Discriminative Learning, Words in the World 2021, Montreal, Canada, November 26, 2021 (virtual poster presentation).

Shafaei-Bajestan, E., Moradipour-Tari, M., Uhrig , P., and Baayen, R. H., Inflectional analogies with word embeddings: there is more than the average, Words in the World 2021, Montreal, Canada, November 26, 2021 (virtual talk).

Baayen, R. H., and Chuang, Y.-Y., Modeling morphology with multivariate multiple regression, Workshop Recent Approaches to the Quantitative Study of Language: Rules and Un-rules, Neuchatel, Switzerland, October 14, 2021 (virtual talk).

Shen, T., and Baayen, R. H., Productivity and semantic transparency: An exploration of compounding in Mandarin, Workshop Perspectives on productivity, Leuven, Belgium, May 26, 2021 (virtual talk).

Baayen, R. H., and Gahl, S., Thyme and time again: Semantics all the way down, Internal Workshop FOR2373, Düsseldorf, Germany, March 18, 2021 (virtual talk).

Luo, X., Chuang Y.-Y., and Baayen, R. H., Linear Discriminative Learningin Julia, International Conference on Error-Driven Learning in Language (EDLL 2021), Tübingen, Germany, March 10, 2021 (virtual poster presentation).

2020 Baayen, R. H., A multivariate multiple regression approach to the mental lexicon, the 28th International Conference on Computational Linguistics (COLINGÕ2020), Barcelona, Spain, December 8, 2020 (virtual invited talk).

Baayen, R. H., A discriminative perspective on learning a new language, 7th International Scientific Interdisciplinary Conference on Research and Methodology, Moscow, Russia, November 20, 2020 (virtual keynote).

Baayen, R. H., and Chuang, Y.-Y., How long you make your words crucially depends on their meanings, PACLIC 2020 - The 34th Pacific Asia Conference on Language, Information and Computation, Hanoi, Vietnam, October 24, 2020 (virtual talk).

Li, J., Chuang, Y.-Y., and Baayen, R. H., Tonal (ir)regularity and word frequency in Mandarin bisyllabic compounds, Words in the World International Conference 2020, St. Catharines, Canada, October 18, 2020 (virtual talk).

Saito, M., Tomaschek, F., and Baayen, R. H., Co-articulation between stem vowels and suffixes: semantics all the way down, Words in the World International Conference 2020, St. Catharines, Canada, October 18, 2020 (virtual talk).

Luo, X., Chuang, Y.-Y., and Baayen, R. H., Implementation of Linear Discriminative Learning in Julia, Words in the World International Conference 2020, St.Catharines, Canada, October 16, 2020 (virtual talk).

Baayen, R. H, Chuang, Y.-Y., and Shafaei-Baiestan, E.. Using discriminative learning to model comprehension and production of inflectional morphology without morphemes and without inflectional classes, Workshop How to fill a cell: computational approaches to inflectional morphology, Sheffield, United Kingdom, September 16, 2020 (virtual talk).

Chuang, Y.-Y., Lõo, K., Blevins, J. P., and Baayen, R. H., Estonian case inflection made simple. A case study in Word and Paradigm morphology with Linear Discriminative Learning, IMM19: PsyComMT, Vienna, Austria, February 7, 2020.

Heitmeier, M., and Baayen, R. H., Simulating phonological and semantic impairment of English tense inflection with linear discriminative learning, IMM19: PsyComMT, Vienna, Austria, February 7, 2020.

Shafaei-Bajestan, E., and Baayen, R. H., Wide learning of the comprehension of morphologically complex words: from audio signal to semantics, IMM19: PsyComMT, Vienna, Austria, February 7, 2020.

2019 Baayen, R. H., A dynamic approach to lexical processing, The 1st NTü Linguistic Workshop, Taipei, Taiwan, November 28, 2019 (keynote).

Baayen, R. H., Construction morphology, linear discriminative learning, and cognitive reality, workshop The Constructionist Challenge - empirical and theoretical aspects, Erlangen, Germany, Oktober 18, 2019 (invited).

Chuang, Y. Y., Vollmer, M. L., Shafaei-Bajestan, E., Gahl, S., Hendrix, P., Baayen, R. H., On the processing of nonwords in word naming and auditory lexical decision, International Congres of Phonetic Sciences (ICPhS2019), Melbourne, Australia, August 8, 2019 (invited).

Chuang, Y. Y., Baayen, R. H., Making sense of auditory nonwords, Workshop - "Models of Computational Morpho(phono)logy", Cambridge, UK, February 15, 2019 (invited).

Baayen, R. H., Linear discriminative learning and the bilingual lexicon, A Language Learning Roundtable, Fribourg, Switzerland, February 11, 2019 (invited).

2018 Baayen, R. H., Throwing off the shackles of the morpheme with simple linear mappings, Annual Meeting of the Society for Computers in Psychology (SCiP), New Orleans, USA, November 15, 2018 (keynote).

Baayen, R. H., Speech Production in the Discriminative Lexicon, Eleventh International Conference on the Mental Lexicon, Edmonton, Canada, September 26, 2018 (poster presentation, invited).

Baayen, R. H., Participant in a discussion on the lifespan development of the mental lexicon, Symposium on the Aging Lexicon, Basel, Switzerland, June 7-9, 2018 (invited).

Baayen, R. H., Tibus, M., Mock, P., Gerjets, P., Assessing Within-Experiment Subject Variability with Generalized Additive Mixed Models, Psychoco2018Tübingen, Tübingen, Germany, February 16, 2018 (invited).

2017 Baayen R. H., Tomaschek, F., Ernestus, M., and Plag, I., Explaining the acoustic durations of s in conversational English with naive discriminative learning, Workshop Current Approaches to Morphology, Edmonton, Canada, December 20, 2017 (invited).

Baayen, R. H., Regression modeling strategies for confirmatory and exploratory data analysis in the language sciences, Workshop Statistical standards for scientific discovery in linguistics: a practical introduction, Zurich, Switzerland, Oktober 4, 2017 (invited).

Baayen, R. H., The generalized additive mixed model by example, 20th Conference of the European Society for Cognitive Psychology (ESCoP 2017), Potsdam, Germany, September 5, 2017 (invited).

Baayen, R. H., Sering, T., Shaoul, C., Milin, P., Language comprehension as a multiple label classification problem, International Workshop on Statistical Modelling 2017 (IWSM 2017), Groningen, Netherlands, July 7, 2017 (keynote).

Feldman, L., Adams, C., Pastizzio, M., Blanche, P., and Baayen, R. H., The time course of BOAT-FLOAT facilitation and its implication for morphological processing, International Morphological Processing Conference (MoProc 2017), Trieste, Italy, June 23, 2017 (invited).

Baayen, R. H., Novel insights in morphological processing from Dynamic Survival Analysis and Quantile Regression, International Morphological Processing Conference (MoProc 2017), Trieste, Italy, June 23, 2017 (invited).

Baayen, R. H., Linke, M., Bröker, F., and Ramscar, M., Are baboons learning "orthographic" representations? Probably not, International Morphological Processing Conference (MoProc 2017), Trieste, Italy, June 23, 2017 (invited).

Baayen, R. H., Integrating acoustic and visual information with discriminative learning, ICMC2017, Osnabrück, Germany, June 10, 2017 (invited).

Baayen, R. H., Introduction to quantile regression and dynamic survival analysis, Workshop on statistical analysis of linguistic data, Konstanz, Germany, April 5, 2017 (invited).

Gahl, S., and Baayen, R. H., Twenty-eight years of vowels: An investigation of changes in vowel formants and vowel duration in the Up corpus, Corpora for Language and Aging Research (CLARe3), Berlin, Germany, March 7, 2017 (keynote).

Baayen, R. H., How do French baboons distinguish between English words and pseudo-words? A comparison of deep learning with wide learning, Alfa-Informatica is 30!, Groningen, Netherlands, January 27, 2017.

2016 Baayen, R. H., Predicting lexical decision in humans and baboons: deep learning or wide learning? Satellite Event: Predictability Symposium SST2016, Sydney, Australia, December 11, 2016 (invited).

Baayen, R. H., Modeling human speech processing without phonemes. 16th Speech Science and Technology Conference (SST2016), Sydney, Australia, December 9, 2016 (keynote).

Baayen, R. H., Usage-based implicit grammar. 2nd Usage-Based Linguistics Conference (2nd UBL), Tel Aviv, Israel, June 2016 (invited).

Baayen, R. H., The accumulation of knowledge and language variation. The 8th Conference on Language, Discourse and Cognition (CLDC 2016), Taipei, Taiwan, May 2016 (keynote).

Baayen, R. H., Usage-based implicit grammar and discrimination learning, The 8th Conference on Language, Discourse, and Cognition (CLDC 2016) Satellite Workshop, Taipei, Taiwan, May 12, 2016 (invited).

Baayen, R. H., Language and the costs of knowing more, 52. Jahrestagung des Instituts für Deutsche Sprache (IDS), Mannheim, Germany, March 9, 2016 (invited).

Baayen, R. H., Understanding words in unscripted conversational speech. Linguistic Evidence 2016, Tübingen, Germany, February 2016 (invited).

2015 Baayen, R. H., Implicit Morphology. Morphology Days, Leuven, December 2015 (keynote).

Baayen, R. H., Phonotactics and lexical processing: The perspective from discriminative learning. 3rd International Workshop on Phonotactics and Phonotactic Modeling, Vienna, Austra, November 2015 (invited).

Baayen, R. H., Doing it without morphemes: A discriminative perspective on morphology and morphological processing. American International Morphology Meeting (AIMM3), Amherst, USA, October 2015 (keynote).

Baayen, R. H., Cognitive Grammar and Implicit Grammar. 13th International Cognitive Linguistics Conference (ICLC-13), Newcastle, UK, July 2015 (invited).

Baayen, R. H., Implicit morphology. International Quantitative Morphology Association (IQMA), Belgrade, Serbia, July 2015 (invited).

Baayen, R. H., and C. Shaoul, A discriminative perspective on vector semantics. Workshop on Linguistically-aware models of distributional semantics in computational linguistics, Stuttgart, Germany, July, 2015 (invited).

Baayen, R. H., M. Ramscar, J. Sun, P. Hendrix, and E. Keuleers, Sanitizing the mind: applying linguistic common sense to the psychology of cognitive decline in healthy ageing. Language and Technology: methods, tools and new environments for language learning and applied linguistics, Lecce, February 2015 (invited).

2014 Baayen, R. H., Salience and naive discriminative learning. Workshop Perceptual linguistic salience: Modelling causes and consequence, FRIAS, Freiburg, October 2014 (invited).

Baayen, R. H., Implicit morphology. The 9th International Conference on the Mental Lexicon, Niagara on the Lake, Canada, October 2014 (keynote).

Baayen, R. H., Language, usage, and lifelong learning. Workshop on The Changing English Language: Psycholinguistic Perspectives, ISLE, August 2014 (invited).

Baayen, R. H., Implicit Morphology: A computational model of morphological processing grounded in discrimination learning. Networds summer school 2014 Words: structure, meaning, acquisition, processing, August 2014 (invited).

De Cat, C., R. H. Baayen, and E. Klepousniotou, Electrophysiological correlates of noun-noun compound processing by non-native speakers of English. The First Workshop on Computational Approaches to Compound Analysis (ComAComA 2014), Dublin, August 2014.

Baayen, R. H., The stuff words are made of? Not morphemes! "The stuff words are made of": An international conference on the cross-linguistic comparison of Indo-Germanic and Semitic languages, Konstanz, July 2014 (keynote).

Baayen, R. H., P. Milin, C. Shaoul, M. Ramscar, V. Kuperman, and R. Kliegl, Decomposition makes things worse. A discrimination learning approach to the time course of understanding compounds in reading. 16th International Morphology Meeting, Budapest, May 2014.

Milin, P., P. Hendrix, and R. H. Baayen, Inflectional paradigms and classes in sentence reading. 16th International Morphology Meeting, Budapest, May 2014.

Baayen, R. H., Naive Discrimination Learning: an overview of what it can do, and what it cannot. Gradience in Grammar, CSLI, Stanford University, Palo Alto, January 18, 2014 (invited).

2013 Baayen, R. H., and M. Wieling, Integrating traditional dialectology and sociolinguistics: generalized additive modeling. New Ways of Analyzing Variation 42, Pittsburgh, October 17, 2013 (invited).

Baayen, R. H., In 140 ms from hogwash to nonsense, but only if you're lucky. Academia Europaea 25th Anniversary Conference in Wroclaw, September 18, 2013 (invited).

Baayen, R. H., Discriminative Learning and Morphology, 8th International Morphological Processing Conference, Cambridge (UK), June 20, 2013 (invited).

Baayen, R. H., The myth of cognitive decline. Humboldt Kolleg "Promotion of Research Excellence", University of Sofia, Sofia, December 6, 2013 (invited).

Baayen, R. H., When parsing makes things worse: An eye-tracking study of English compounds. 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013), Sofia, August 5, 2013 (keynote).

2012 Baayen, R. H., Modeling lexical processing with naive discrimination learning, The 14th International Conference on the Processing of East Asian Languages (ICPEAL 2012), Nagoya, Japan, October 27, 2012 (keynote).

Baayen, R. H., Lexical associations and lexical processing. Small world of words conference on word associations, Leuven, October 11, 2012 (invited).

Baayen, R. H., Naive discrimination learning and morphological theory. Symposium Morphology, Constructions, and the Lexicon, Leiden, September 7, 2012 (invited).

Baayen, R. H., Visualization of Linguistic Data with Generalized Additive Models. Advances in Visual Methods for Linguistics(AVML 2012), York, September 6, 2012 (keynote).

Baayen, R. H., Mixed-effects models in linguistics and psycholinguistics A useR's perspective. Leuven statistics days, Leuven, June 7, 2012 (invited).

Baayen, R. H., Naive discrimination learning as a tool for cognitive linguistics. Center for Advanced Studies, Oslo, April 12, 2012 (invited).

Baayen, R. H., and I. Schuster, Open Science. F-AG Workshop Clarin-D, March 30, 2012 Saarbrücken (invited).

Baayen, R. H., and M. Ramscar, The smooth signal hypothesis and paradigmatic structure. Workshop on Information Density and Linguistic Variation, DGfS, Frankfurt, March 9, 2012 (invited).

Baayen, R. H., No mental lexicon? The cross-sections series, Groningen, February 22, 2012 (invited).

Baayen, R. H., and P. Milin, Exo-lexical variables in monolingual and bilingual morphological processing. Workshop on Exo-lexical variables in monolingual and bilingual morphological processing, Vienna, February 9, 2012 (invited).

Baayen, R. H., Generalized additive mixed-effect models and their application in psycholinguistic research. Winter School on Multilingualism across the Lifespan, Fribourg, February 8, 2012 (invited).

2011 Baayen, R.H., Exploring linguistic components of evoked response potentials with generalized additive models (GAMs). Bilingual workshops in theoretical linguistics (BWTL 15), Hamilton, December 10, 2011 (keynote).

Baayen, R. H., and B. V. Tucker, Why is the signal smooth? First ESF NetWords workshop, Understanding the Architecture of the Mental Lexicon: Integration of Existing Approaches, Pisa, 26 November 2011 (invited).

Baayen, R. H., Tracking datives with generalized additive mixed models. FOR 868-Workshop "Mind and Brain Dynamics", Potsdam, August 4, 2011 (invited).

Baayen, R. H., Naive discriminative learning and usage-based models of grammar. 11th International Linguistics Conference, July 16, Xi'an, China (invited).

Baayen, R. H., Exploring Linguistic Components of Evoked Response Potentials with Generalized Additive Models (GAMs). Speech Production Workshop, University of Illinois and Beckman Institute for Advanced Science and Technology, Urbana, May 6, 2011 (invited).

Baayen, R. H., Resource requirements for neo-generative modeling in (psycho)linguistics. Workshop on Lexical Resources in Psycholinguistic Research, Berlin, March 28, 2011 (invited).

Arppe, A., and R. H. Baayen, Statistical classification and principles of human learning. QITL-4, Berlin, March 30, 2011.

Baayen, R. H., Relative entropy and naive discriminative learning. Workshop on Information Theory and Simulations in Morphology, San Diego, January 15, 2011 (invited).

Tremblay, A., R. H. Baayen, B. Derwing, G. Libben, B. V. Tucker, C. Westbury, Empirical evidence for an inflationist lexicon. Workshop on Empirically Examining Parsimony and Redundancy in Usage-based Models at the Linguistics Society of America Annual Meeting, Pittsburgh, January 8, 2011.

2010 R. H. Baayen, A. Tremblay, and P. Hendrix, Exploring Linguistic Components of Evoked Response Potentials with Generalized Additive Models (GAMS). Society for Psychophysiological Research 50th Annual Meeting, Portland, October 1, 2010.

Baayen, R. H., P. Hendrix, M. Marelli, P. Milin, A new model of morphological processing in reading using discriminative learning. Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP 2011), York, September 6, 2010.

Baayen, R. H., and M. Marelli, The directed compound graph of English: An exploration of lexical connectivity and its processing consequences. Society for the Scientific Study of Reading, Berlin, July 7, 2010 (invited).

Kryuchkova, T., B. V. Tucker, L. Wurm, and R. H. Baayen, Pitch Information Provides Priviliged Lexical Access for Emotion Words: Evidence from Electroencephalography. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 3, 2010.

Miwa, K., P. Bolger, T. Dijkstra, and R. H. Baayen, The Case of Different Scripts: Cross-Linguistic Effects in Japanese-English Bilingual Word Recognition. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 2, 2010.

Nault, K., R. H. Baayen, and G. Libben, Morphological Therapy Protocol: New Therapeutic Intervention for Aphasia. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 2, 2010.

Columbus, G., R. H. Baayen, and P. Bolger, Processing multiword units: Degrees of idiomaticity seen through eye movements. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 1, 2010.

Sims, M., B. V. Tucker, and R. H. Baayen, Morphological Information and Fine Phonetic Detail in English Irregular Verbs. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 1, 2010.

Teddiman, L., and R. H. Baayen, The Role of Suffix Pairs in English Multimorphemic Words: Evidence From Eye-Tracking. Seventh International Conference on the Mental Lexicon, Windsor, Canada, July 1, 2010.

Baayen, R. H., P. Hendrix, and A. Tremblay, Electrophysiological effects in language processing: the potential of generalized additive modeling. 25th Annual Meeting of the Canadian Society for Brain Behaviour and Cognitive Science, Halifax, June 13, 2010 (invited).

Baayen, R. H., From nominal case in Serbian to prepositions in English: Modeling exemplar and prototype effects without exemplars and without prototypes. Workshop Probabilistic Syntax, Freiburg Institute for Advanced Studies, Freiburg, March 22, 2010 (invited).

Baayen, R. H., The directed compound graph of English: An exploration of lexical connectivity and its processing consequences, Australasian Mathematical Psychology Conference, Margaret River, Australia, February 15, 2010.

2009 Baayen, R. H., P. Hendrix, P. Milin, and D. Filipović-Durdević, There is more to prime than meets the eye, Arizona Linguistics Club, Tucson, Arizona, October 31, 2009 (invited).

Baayen, R. H., Exploring interactions involving numerical predictors. Workshop Statistical Tools, NWAV 38 , Ottawa, Canada, October 22, 2009 (invited).

Baayen, R. H., P. Hendrix, P. Milin, and D. Filipović-Durdević, There is more to process than meets the eye: A study of paradigmatic effects in reading case-inflected words, ESF Workshop on Words In Action: Interdisciplinary Approaches To Understanding Word Processing And Storage , Pisa, Italy, 11-14 October, 2009 (invited).

Baayen, R. H., C. Shaoul, G. Columbus, A. Tremblay, and V. Kuperman, The processing of multiword expressions, 28th International Conference on Lexis and Grammar, Bergen, Norway, September 30, 2009 (keynote).

Baayen, R. H., T. Kryuchkova, and A. Vickerman, Ordering constraints in English derivation and compounding, 2nd Vienna Workshop on Affix Order, Affix order in Slavic and Languages with Similar Morphology, Vienna, Austria (keynote).

Baayen, R. H., Advanced issues in multilevel model building and evaluation. Pre-conference CUNY workshop on ordinary and multilevel models, Davis, USA.

Baayen, R. H., Four problems for theories of morphological processing 6th International Morphological Processing Conference, Turku, Finland (invited).

2008 Baayen, R. H., P. Hendrix, W. Tabak, and R. Schreuder, Electrophysiological effects in language production: a picture naming study using generalized additive modeling. Wecol, Davis, USA (invited).

Baayen, R. H., P. Hendrix, W. Tabak, and R. Schreuder, Electrophysiological effects in language production: a picture naming study using generalized additive modeling. 6th international conference on the mental lexicon, Banff.

Baayen, R. H., An exemplar-based approach to semi-productivity. Workshop on semi-productivity, Tufts University, 2008 (invited).

Baayen, R. H., Co-occurrence below and above the word level: exploring language at the intersection of corpus linguistics, psycholinguistics and statistics. Aacl, Provo, 2008 (invited).

Baayen, R. H., Using R for corpus linguistics. Aacl, Provo, 2008 (pre-conference workshop tutorial).

Baayen, R. H., Frequency effects in compounding, Componet congress on compounding, Bologna, 2008 (invited).

Baayen, R. H., Exemplar-driven approaches to linguistic generalizations, CSCA Summer School 2008, workshop Cognitive Modeling: Contrasting Perspectives, Amsterdam, 2008 (invited).

Miwa, K., G. Libben, and R. H. Baayen, Seeing water in desert: semantic radical activation in visual Japanese compound recognition. Canadian Linguistic Association, Vancouver, 2008.

Tremblay, A., R. H. Baayen, B. Derwing, G. Libben, and C. Westbury, Lexical bundles and working memory: An erp study. Formulaic Language Research Network Conference, Nottingham, 2008.

2007 Baayen, R. H., Dynamics and complexity in language processing. Workshop on Dynamics and Complexity of Peoples and Societies, Northwestern, October 2007 (invited).

Baayen, R. H., Probing Lexical Processing in Modern Dutch Poetry. LSA Forum Lecture, Stanford, July 2007 (invited).

Baayen, R. H., Co-occurrence below and above the word level: A psycholinguistic approach. Icame, Stratford-upon-Avon, May 2007 (invited).

Baayen, R. H., System and variation in morphology and morphological processing. 29.DGfS-Jahrestagung, Siegen, February 2007 (invited).

2006 Baayen, R. H., and F. Moscoso del Prado Martín, Bits and pieces of an information theoretical approach to inflectional paradigms. Analogy in grammar: form and acquisition, Leipzig, September 2006 (invited).

Pluymaekers, M., M. Ernestus, R. H. Baayen, and G. Booij, Morphological effects on fine phonetic detail: The case of Dutch -igheid. Labphon, Paris, June 2006.

Keune, K., R. van Hout, and R. H. Baayen, Socio-geographical variation in morphological productivity in spoken Dutch: a comparison of statistical techniques. JADT, Becanson, April 2006.

Baayen, R. H., Experimental Evidence for Word and Paradigm Morphology. LINGUISTIC SOCIETY OF AMERICA, Albuquerque, January 2006.

2005 Baayen, R. H., F', F_1 and F_2, or only F_1? — and what statisticians have accomplished in the mean time. A conceptual introduction to multilevel modeling for experimental data with subjects and items. SECOND MULTILINGUAL ACQUISITION AND PROCESSING WORKSHOP, Potsdam, September–October 2005 (invited).

De Vaan, L., R. Schreuder, and R. H. Baayen, R. H., Regular morphologically complex neologisms leave detectable traces in the mental lexicon. ARCHITECTURES AND MECHANISMS FOR LANGUAGE PROCESSING, Ghent, September 2005.

Bien, H., R. H. Baayen, and W. J. M. Levelt, The Role of Frequency Information in Compound Production. EUROPEAN SOCIETY FOR COGNITIVE PSYCHOLOGY, Leiden, August–September 2005.

Ernestus, M., M. Lahey, F. Verhees, and R. H. Baayen, Lexical frequency and voice assimilation. EUROPEAN SOCIETY FOR COGNITIVE PSYCHOLOGY, Leiden, August–September 2005.

Pluymaekers, M., M. Ernestus, and R. H. Baayen, Lexical Frequency and Affix Reduction in Conversational and Laboratory Speech. EUROPEAN SOCIETY FOR COGNITIVE PSYCHOLOGY, Leiden, August 2005.

Tabak, W., R. Schreuder, and R. H. Baayen, Evidence Against Dual Route Modelling: Semantics and (Ir)regularity. EUROPEAN SOCIETY FOR COGNITIVE PSYCHOLOGY, Leiden, August–September 2005.

Baayen, R. H., Why corpora are changing linguistics. JOURNÉES D'ETUDE TOULOUSAINES EN SCIENCES DU LANGAGE: RÔLE ET PLACE DES CORPUS EN LINGUISTIQUE, Toulouse, July 2005 (invited).

Baayen, R. H., Productivity: Theories. WORD FORMATION THEORIES WORKSHOP, Prešov, July 2005 (invited).

Baayen, R. H., W. Tabak, and R. Schreuder, Semantic density and (ir)regularity. FOURTH INTERNATIONAL MORPHOLOGY WORKSHOP, Cambridge (UK), June 2005 (invited).

Keune, K., M. Ernestus, R. van Hout, and R. H. Baayen, Social, geographical, and register variation in Dutch: From written 'mogelijk' to spoken 'mok'. ACH/ALLC 2005, Victoria, June 2005 (invited).

Pluymaekers, M., M. T. C. Ernestus, and R. H. Baayen, Informational redundancy and acoustic reduction in spoken Dutch. UTRECHT TIN-DAG, Utrecht, January 2005 (invited).

2004 Pluymaekers, M., M. Ernestus, and R. H. Baayen, Lexical frequency and prefix reduction. FOURTH INTERNATIONAL CONFERENCE ON THE MENTAL LEXICON, Windsor, Canada, July, 2004.

Ernestus, M., M. Lahey, F. Verhees, and R. H. Baayen, Lexical frequency and voice assimilation. FOURTH INTERNATIONAL CONFERENCE ON THE MENTAL LEXICON, Windsor, Canada, July, 2004.

Baayen, R. H., Questioning the unquestionable: Semantics and (ir)regularity. International conference on Linguistic Evidence: Empirical, Theoretical, and Computational Perspectives, Tübingen, January, 2004 (invited).

2003 Baayen, R. H., Subjects, items, and statistical modeling. Mental Lexicon Research Group Meeting Vienna, October, 2003 (invited).

Baayen, R. H., and L. B. Feldman, Pca regression. Mental Lexicon Research Group meeting, Vienna, October, 2003 (invited).

Moscoso del Prado Martín, F., and R. H. Baayen, Using the structure found in time: Building real-scale orthographic and phonetic representations by accumulation of expectations. The eighth Neural Computation and Psychology Workshop, Canterbury, August 2003.

Baayen, R. H., An introduction to multi-level or mixed-effect models. Psycholinguistics in Flanders, Ghent, June 2003 (invited).

Baayen, R. H., F. Moscoso del Prado Martín, A. Deutsch, R. Frost, R. Bertram, T. Dijkstra, and R. Schreuder, Family size effects in Hebrew, Finnish, Dutch, and English: A progress report. Third international morphology workshop, Aix en Provence, June 2003 (invited).

Baayen, R. H., Word Frequency and its formal and semantic correlates: A multivariate approach to the interpretation of word frequency. Qualico 2003, Athens, Virginia, May 2003.

Baayen, R. H., Questioning the unquestionable: Semantic density and past-tense formation in three Germanic languages. productivity workshop, Paris, May 2003 (invited).

Baayen, R. H., The semantics of irregularity: an exercise in interdisciplinary data mining. Four corners workshop, Max Planck Institute for Psycholinguistics, Nijmegen, May 2003 (invited).

Baayen, R. H., Semantics and the productivity of past-tense forms. Workshop Dfg Tagung, München, February 2003 (invited).

Baayen, R. H., Some issues in morphological processing. Igert workshop, John Hopkins University, Baltimore, January 2003 (invited).

2002 Baayen, R. H., Sex differences in inflectional morphology. Workshop on measuring lexical variation and change, Leuven, October 2002 (invited).

Baayen, R. H., A. Krott, W. U. Dressler, G. Jarema, and G. Libben, Interfixes as boundary markers in compounds. Third International Conference on the Mental Lexicon, Banff, October 2002.

Krott, A., R. H. Baayen, and P. Hagoort, Effects of compound families on the recognition of Dutch interfixes. Third International Conference on the Mental Lexicon, Banff, October 2002.

Moscoso del Prado Martín, F., M. Ernestus, and R. H. Baayen, Analogy and rules in the interpretation of neutralized voiced segments and Dutch past-tense inflection: Insights from a connectionist model. Third International Conference on the Mental Lexicon, Banff, October 2002.

Baayen, R. H., Analogy versus rules in Dutch past tenses. Quantitative Investigations in Theoretical Linguistics, Osnabrück, October 2002.

Krott, A., R. H. Baayen, and P. Hagoort, Analogical effects in the comprehension of interfixed Dutch compounds. Architectures and mechanisms for language processing, Gran Canaria, September 2002.

Kemps, R., M. Ernestus, R. Schreuder, and R. H. Baayen, Subphonemic cues for morphological complexity in spoken word recognition. Architectures and mechanisms for language processing, Gran Canaria, September 2002.

Baayen, R. H., Affix productivity and base productivity. Esse6, Strassbourg, September 2002.

Baayen, R. H., H. van Halteren, A. Neijt, and F. J. Tweedie, An experiment in authorship attribution. Journees annuelles de donnees textuelles, St. Malo, March 2002.

2001 Ernestus, M., and R. H. Baayen, Graded analogical effects in language production. European society for cognitive psychology XII, Edinburgh, September 2001.

Krott, A., and R. H. Baayen, Similarity in Production. European society for cognitive psychology XII, Edinburgh, September 2001.

Ernestus, M., and R. H. Baayen, Morpho-phonological paradigms: evidence from two production experiments in Dutch. The lexicon in linguistic theory, Düsseldorf, August 2002.

Baayen, R. H., Statistical analysis of experimental data for NLP. European chapter of the association for computational linguistics tutorial, Toulouse, July 2001 (invited).

De Jong, N. H., W. Ghyselinck, R. Schreuder, and R. H. Baayen, Morphological family members make the meaning of a word. 2nd international workshop on morphological processing, Nijmegen, June 2001.

Sandra, D., and R. H. Baayen, Modelling spelling errors on fully regular verb forms., 2nd International workshop on morphological processing, Nijmegen, June 2001.

Baayen, R. H., and R. Schreuder, Modeling the presence and absence of frequency effects for regular plural inflections in Dutch and German. 2nd International workshop on morphological processing, Nijmegen, June 2001.

Baayen, R. H., Affix combinations and productivity: A quantitative foray into Dutch International morphology workshop, Nijmegen, January 2001.

Baayen, R. H., Probability in morphology (Linguistic Society of America, Washington, January 2001 (invited).

2000 Baayen, R. H., Analogy in Morphological Processing: the case of Dutch linking elements. Faz morphology workshop, Berlin, December 2000 (invited).

Baayen, R. H., Analogy in Morphological Processing Morphology Meeting, University of Brighton, November 2000 (invited).

Ernestus, M., R. Schreuder, and R. H. Baayen, Context-sensitive representations for highly-reduced word forms. Second International Conference on the Mental Lexicon, Montreal, October 2000.

Krott, A., D. de Grave, R. Schreuder, and R. H. Baayen, Linking elements in Dutch noun-noun compounds: Constituent families as predictors of response latencies. Second International Conference on the Mental Lexicon, Montreal, October 2000.

De Jong, N. H., L. B. Feldman, R. H. Baayen, and R. Schreuder, Morphological family effects in Dutch and English compounds. Second International Conference on the Mental Lexicon, Montreal, October 2000.

Baayen, R. H., R. Schreuder, and N. H. De Jong, Subject variability, instruction effects, and morphological processing Second International Conference on the Mental Lexicon., Montreal, October 2000.

De Jong, N.H., R. Schreuder, and R. H. Baayen, R. H., MFRM: A resonance model for understanding the morphological family size effect in the mental lexicon. Architectures and mechanisms for language processing, Leiden, September 2000.

Krott, A., R. Schreuder, and R. H. Baayen, ANNE: an ANalogical NEtwork model for the production of linking elements in Dutch noun-noun compounds. Architectures and mechanisms for language processing, Leiden, September 2000.

Weeber, M., and R. H. Baayen, Extracting the lowest-frequency words: Pitfalls and possibilities. International Quantitative Linguistics Conference, Prague, August 2000.

Baayen, R. H., F. J. Tweedie, H. van Halteren, A. Neijt, and L. Krebbers, Back to the caves of shadows. A controlled experiment in authorship discrimination. Joint conference of the Association for Literary and Linguistic Computing and the Association for Computers and the Humanities, Glasgow, July 2000.

Schreuder, R., R. H. Baayen, and N. H. de Jong, Morphological families in the mental lexicon: experimental data and modeling. Nwo-Taiwan joint workshop on cognitive science, April 2000.

Krott, A., and R. H. Baayen, Modeling linking elements in Dutch noun-noun compounds with a lazy learning algorithm. Workshop on analogical modeling, Provo, March 2000 (invited).

Baayen, R. H., Word Frequency distributions. Journees annuelles de donnees textuelles, Lausanne, March 2000 (invited).

De Jong, N. H., R. Schreuder, and R. H. Baayen, The morphological family size effect. International Morphology Meeting, Vienna, February 2000.

Krott, A., R. Schreuder, and R. H. Baayen, The predictability of linking morphemes in Dutch noun-noun compounds. International Morphology Meeting, Vienna, February 2000.

Plag, I., C. Dalton-Puffer, and R. H. Baayen, The predictability of linking morphemes in Dutch noun-noun compounds. International Morphology Meeting, Vienna, February 2000.

1999 Baayen, R. H., and R. Schreuder, Morphological families and morphology., Workshop on Cross-linguistic perspectives on morphological processing, Aix en Provence, June 1999 (invited).

Schreuder, R., and R. H. Baayen, Morphological processing., Annual Italian Psychology Meeting, Bressanone), January 1999 (invited).

Baayen, R. H., Demonstration session of lexstats., Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Charlotteville, June 1999.

Tweedie, F. J., and R. H. Baayen, Mixture models for word frequency distributions. Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Charlotteville, June 1999.

1998 Baayen, R. H., LNRE statistics. Workshop on computationally intensive methods in quantitative linguistics, Glasgow, October 1998 (invited).

1997 Baayen, R. H., Deconstructing texts with electronic dice: Monte Carlo methods in lexical statistics. Workshop on computationally intensive methods in quantitative linguistics, Glasgow, September 1997 (invited).

Baayen, R. H., and F. J. Tweedie, The parameters of Lnre models as sample-size invariant: problems and opportunities. Third international conference on quantitative linguistics, Helsinki, August 1997.

Tweedie, F. J., and R. H. Baayen, How variable may a constant be? Measures of lexical richness in perspective. Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Kingston, June 1997.

Baayen, R. H., and A. Renouf, Aviating among the hapax legomena: On the birth of new affixes in current newspaper English. 18th international Icame conference, Chester, May 1997.

Baayen, R. H., Lexical statistics. 18th international icame conference, Chester, May 1997 (invited).

Baayen, R. H., Corpora and lexical semantics. V jornada de corpus lingüístics: els corpus en la recerca semàntica i pramàtica, Barcelona, April 1997 (invited).

Baayen, R. H., Stem productivity in lexical processing, or, How complex simplex words can be. 19. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft, Düsseldorf, February 1997 (invited).

1996 Baayen, R. H., Productivity in context: a case study of a Dutch suffix. Trierer Kolloquium zur quantitativen Linguistik, Trier, October 1996.

Baayen, R. H., F. Tweedie, and H. van Halteren, Outside the cave of shadows: Using syntactic annotation to enhance authorship attribution. (textscJoint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Bergen, June 1996.

Baayen, R. H., How singular can plural be? Understanding and producing number inflection on nouns: Evidence from Dutch and Italian. 7th International Morphology Meeting, Vienna, February 1996 (invited).

Baayen, R. H., Consequences of affixal homonymy for the processing of inflections in language comprehension: evidence from Dutch. Workshop on inflection, 7th International Morphology Meeting, Vienna, February 1996.

1995 Baayen, R. H., Chronicling 'The Times': Lexical innovations in an English newspaper. Workshop on terminology, information retrieval, and linguistics, Rome, October 1995 (invited).

Baayen, R. H., The randomness assumption in word frequency statistics. Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Santa Barbara, July 1995.

1994 Baayen, R. H., Derivational productivity and text typology. The 1994 Joint Conference of the Association for Literary and Linguistic Computing and the Association for Computers and the Humanities, Paris, France, April 1994.

Cutler, A., J. McQueen, R. H. Baayen, P. Roach, and H. Drexler, Testing Models of spoken word recognition against real speech. Fourth Workshop on Language Comprehension, Hyères, France, May 1994.

Randall, J., A. van Hout, J. Weissenborn, and R. H. Baayen, Approaching linking. Boston University Conference on Language Development, Boston, USA, January 1994.

Schreuder, R., and R. H. Baayen, Morphological processing: when, where, and why (not). Tennet V, Quebec, Canada, May 1994.

1993 Baayen, R. H., The CELEX lexical database: its use in psycholinguistic research on the mental lexicon. Workshop on the Unified Lexicon, SALT, Durham, UK, December 1993 (invited).

Baayen, R. H., Quantitative aspects of Lexical Conceptual Structure. The 1993 Joint Conference of the Association for Computers and the Humnanities and the Association for Literary and Linguistic Computing, Georgetown, USA, June 1993.

1992 Baayen, R. H., Same or different? Lexical statistics and Lexical Conceptual Structure. The 1992 Annual Conference of the Linguistic Society of Belgium, Antwerpen, Belgium, August 1992.

Schreuder, R., and R. H. Baayen, Some lexical statistics of prefix stripping. Workshop on Psycholinguistic Approaches to the Lexical Representation of Morphological Structure, Krems, Austria, July 1992.

Baayen, R. H., Markedness and productivity: a quantitative analysis. Fifth International Morphology Meeting, Krems, Austria, July 1992.

1991 Baayen, R. H., A stochastic process for word frequency distributions. 29th Annual Meeting of the Association of Computational Linguistics, Berkeley, USA, June 1991.

1989 Baayen, R. H., Corpusgebaseerd onderzoek naar morfologische produktiviteit. Morphology Days, Leuven, Belgium, September 1989.

invited colloquia

2022 Baayen, R. H., Frequency-informed Linear Discriminative Learning, Ingo Plag Celebration Colloquium, Düsseldorf, Germany, September 1, 2022 (keynote).

Baayen, R. H., Modeling lexical processing with linear mappings, International Seminar on Language Culture and Cognition (part of the series from the National Coordination of the National Institute for Anthropology and History), Mexico City, Mexico, May 31, 2022 (virtual keynote).

Baayen, R. H., Heitmeier, M., and Chuang, Y.-Y., Word learning never stops - evidence from computational modeling, Colloquium Research Training Group "Dynamics and stability of linguistic representations", Marburg, Germany, May 20, 2022.

Baayen, R. H., Modeling lexical processing with linear mappings, Surrey Linguistics Circle, Guildford, UK, March 29, 2022 (virtual talk).

Baayen, R. H., Modeling lexical processing with linear mappings, UCL (University College London) Language Cognition seminar series, London, UK, March 16, 2022 (virtual talk).

2020 Baayen, R. H., Quantitative Cognitive Linguistics, Hindustan Institute of Technology Science, Chennai, India, November 23, 2020 (virtual talk).

Baayen, R. H., A blueprint for discriminative learning of simple utterances, TÜling Linguistics Lectures, Tartu, Estonia, May 5, 2020 (virtual talk).

2019 Baayen, R. H., Wide learning in language modeling, Colloquium ICCLS - Interdisciplinary Centre for Cognitive Language Studies, München, Germany, June 17, 2019.

Baayen, R. H., Throwing off the shackles of the morpheme with simple linear transformations, Colloquium for Computational Linguistics and Linguistics in Stuttgart, Stuttgart, Germany, April 29, 2019.

Baayen, R. H., Wide learning in language modeling, Vienna University of Economics and Business, Vienna, Austria, March 15, 2019.

2018 Baayen, R. H., Word and Paradigm Morphology with Linear Discriminative Learning, University of Sheffield, Sheffield, UK, September 12, 2018.

Baayen, R. H., and E. Shafaei, A discriminative perspective on lexical access in auditory comprehension, Basque Center for Applied Mathematics, Bilbao, Spain, April 10, 2018.

Baayen, R. H., and E. Shafaei, A discriminative perspective on lexical access in auditory comprehension and speech production, Basque Center on Cognition, Brain and Language, San Sebastian, Spain, April 9, 2018.

Baayen, R. H., Using quantile regression and dynamic survival analysis to study the time course of the lexical processing of complex words, Cambridge Linguistics Forum, Cambridge, UK, February 1, 2018.

2017 Baayen, R. H., Trial-by-trial discrimination learning in the lexical decision task, CLiPS (Computational Linguistics and Psycholinguistics) Colloquium, Antwerp, Belgium, October 16, 2017.

2016 Baayen, R. H., Generalized Additive Mixed Models, National Taiwan University, Taipei, Taiwan, December 13, 2016.

Baayen, R. H., and M. Linke, Baboons, Homo Sapiens, and Implicit Learning in Reading: Deep Learning or Wide Learning?, Humboldt Lecture Series at Eberhard-Karls University, Tübingen, Germany, November 2, 2016.

Baayen, R. H., The accumulation of knowledge at three timescales, HRI Visiting Fellow Programme, Sheffield, UK, June 28, 2016.

Baayen, R. H., Usage-based implicit grammar, Linguistisches Kolloquium SoSe 2016: Empirische Forschungsmethoden in der Linguistik, Mainz, Germany, June 6, 2016.

Baayen, R. H., and P. Hendrix, Interactions of bottom-up information and top-down lexical priors in reading English two-constituent compounds, University of Leipzig, Leipzig, Germany, February 3, 2016.

Baayen, R. H., Generalized Additive Mixed Models, Brigham Young University, Provo, USA, January 22, 2016.

Baayen, R. H., Implicit morphology, Brigham Young University, Provo, USA, January 22, 2016.

Baayen, R. H., Generalized Additive Mixed Models, University of Kansas, Lawrence, USA, January 20, 2016.

Baayen, R. H., Implicit morphology, University of Kansas, Lawrence, USA, January 20, 2016.

Baayen, R. H., Generalized Additive Mixed Models, Brock University, St. Catharines, Canada, January 18, 2016.

2015 Baayen, R. H., Implicit morphology, University of Canterbury, Christchurch, New Zealand, September 2015.

Baayen, R. H., Generalized additive mixed models, University of Canterbury, Christchurch, New Zealand, September 2015.

Baayen, R. H., Age of acquisition and subtitle frequencies: A critical assessment, University of California at Berkeley, Berkeley, USA, September 2015.

Baayen, R. H., Generalized Additive Mixed Models. Vortrag Sprachwissenschaftliches Institut, Bochum, January 2015.

2014 Baayen, R. H., Der Linguist und Big Brother. Veranstaltung Digitale Gesellschaft – Chancen und Risiken, Heidelberger Akademie, Heidelberg, November 2014.

Baayen, R. H., Strategies for data analysis with mixed-effects models. COG-Gästekolloquien im HS 14, Zürich, November 2014.

Baayen, R. H., Understanding lexical processing with naive discrimination learning. Colloquium lecture, Salzburg, October 2014.

Baayen, R. H., Using Generalized Additive Mixed Models for the analysis of experimental data. Workshop, Salzburg, October 2014.

Baayen, R. H., Generalized Additive Mixed Models. Leiden, October 2014.

Baayen, R. H., M. Ramscar, P. Milin, and J. Blevins, Implicit morphology as a usage-based theory of lexical processing. Usage-based theories and approaches in linguistics, Bolzano, May 2014.

Baayen, R. H., Implicit Morphology. University of Cambridge, UK, February 6, 2014.

Baayen, R. H., Generalized Additive Mixed Models. University of Cambridge, UK, February 6, 2014.

Baayen, R. H., Nonlinear dynamics of lifelong learning: The myth of cognitive decline. University of California at Berkeley, USA, January 16, 2014.

2013 Baayen, R. H., Naive discrimination learning as a framework for modeling aspects of language processing. University of Alberta, Edmonton, November 29, 2013.

Baayen, R. H., Nonlinear dynamics of lifelong learning: The myth of cognitive decline. Brock University, St. Catharines, Canada, November 25, 2013.

Baayen, R. H., Naive discrimination learning as a framework for modeling aspects of language processing. University of New York, New York, November 22, 2013.

Baayen, R. H., Naive discrimination learning as a framework for modeling aspects of language processing. University of Antwerp, Antwerpen, November 19, 2013.

Baayen, R. H., The articulation of morphologically complex words. Workshop Spoken Morphology, Düsseldorf, August 19, 2013.

Baayen, R. H., V. Kuperman, and M. Ramscar, Decomposition makes things worse: A discrimination learning approach to the time course of understanding compounds in reading. Ohio State University, Columbus, February 22, 2013.

Baayen, R. H. , An introduction to Generalized Additive Mixed Models. Ohio State University, Columbus, February 22, 2013.

Baayen, R. H., V. Kuperman, and M. Ramscar, Decomposition makes things worse: A discrimination learning approach to the time course of understanding compounds in reading. Laboratoire de Psychologie Cognitive, CNRS, Université d'Aix-Marseille (AMU), February 8, 2013.

2012 Baayen, R. H., How does language work?, Humboldt Lecture Series at Eberhard-Karls University, Tübingen, October 24, 2012.

Baayen, R. H., Workshop introduction to statistical analysis with R, Leeds, March 20-21, 2012.

Baayen, R. H., and A. Tremblay, Workshop introduction to statistical analysis of ERP data using GAMs, Reading, March 22-23, 2012.

2011 Baayen, R. H., Exploring Linguistic Components of Evoked Response Potentials with Generalized Additive Models (GAMs). Colloquium Lecture, University of Groningen, October 28, 2011.

Baayen, R. H., and A. Tremblay, Using generalized additive modeling to analyze electrophysiological data. Workshop, University of Groningen, October 27-28, 2011.

2010 Baayen, R. H., Classification with naive discriminative learning: from semantic activation in reading to the dative alternation. Computational linguistics and psycholinguistics research center, Antwerpen, December 6, 2010.

Baayen, R. H., Mixed-effects modeling. Two-day course and one-day consultancy, Northwestern University, Evanston, June 14–16, 2010.

Baayen, R. H., From nominal case in Serbian to prepositions in English: Modeling exemplar and prototype effects without exemplars and without prototypes, Groningen, The Netherlands, April 15, 2010.

Baayen, R. H., Mixed-effects modeling. Two-day course, Groningen, The Netherlands, April 13-14, 2010.

Baayen, R. H., Mixed-effects modeling. One-day course, Sheffield, UK, April 11, 2010.

Baayen, R. H., and E. Dabrowska, Masterclass Experimental Methods in Linguistics Obtaining and using experimental data in linguistic research, 3-DAY COURSE, SHEFFIELD, UK, April 8-10, 2010.

Baayen, R. H., Mixed-effects modeling. TWO-DAY COURSE, FREIBURG, Germany, March 25-26, 2010.

Baayen, R. H., Mixed-effects modeling. ONE-DAY COURSE, NEWCASTLE, Australia, February 9, 2010.

Baayen, R. H. Mixed-effects modeling. ONE-DAY COURSE, PERTH, Australia, February 12, 2010.

2009 Baayen, R. H., P. Hendrix, P. Milin, and D. Filipović-Durdević, There is more to prime than meets the eye. TÜBINGEN, Germany, December 9, 2009.

Baayen, R. H., Analyzing linguistic data with statistics. Two-day course, BERGEN, Norway, November 10-11, 2008.

Baayen, R.H., A. Tremblay, P. Hendrix, and T. Kryuchkova, Modeling linguistic components of evoked response potentials with generalized additive models. BELGRADE, Serbia, June 2009.

Baayen, R.H., A. Tremblay, P. Hendrix, and T. Kryuchkova, Modeling linguistic components of evoked response potentials with generalized additive models. READING, UK, May 2009.

Baayen, R. H., T. Kryuchkova, and A. Vickerman, Complexity-based ordering? From affixes and affixoids to compounding. UNIVERSITY OF SIEGEN, Siegen, Germany, April 2009.

Baayen, R. H., One-day seminar on statistical analysis with R. UNIVERSITY OF NEUCHATEL, Neuchatel, Switserland, April 2009.

Baayen, R.H., A. Tremblay, P. Hendrix, and T. Kryuchkova, Modeling linguistic components of evoked response potentials with generalized additive models. UNIVERSITY OF GENEVA, Switserland, April 2009.

2008 Baayen, R.H., P. Hendrix, W. Tabak, and R. Schreuder, Electrophysiological effects in language production: a picture naming study using generalized additive modeling. STANFORD UNIVERSITY, Stanford, USA, November 2008.

Baayen, R.H., P. Hendrix, W. Tabak, and R. Schreuder, Electrophysiological effects in language production: a picture naming study using generalized additive modeling. UNIVERSITY OF HELSINKI, Helsinki, Finland, December 2008.

Baayen, R. H., (2008). Paradigmatic structure in language comprehension and speech production, ANTWERP, March 2008.

2007 Baayen, R. H. Three-day tutorial mixed-effects modeling. LSA INSTITUTE, Stanford, USA, July 2007.

2006 Baayen, R. H., Morphological productivity and morphological processing, STUTTGART, December 2006.

Baayen, R. H., On the interpretation of frequency effects in comprehension and production, CAMBRIDGE, November 2006.

Baayen, R. H., Spinning the yarn: Evidence for lexical competition during phonological encoding. GRONINGEN, May 2006.

Baayen, R. H., Inflectional entropy and fine phonetic detail. Edmonton, January 2006.

2004 Baayen, R. H., Semantic density and (ir)regularity. Paris, January 2005; Tartu, December 2004; Turku, December 2004; Edinburgh, September 2004; Christchurch, September 2004; Siegen, January 2004.

Baayen, R. H., Productivity and semantic density. Paris, January 2004.

2003 Baayen, R. H., Methodological problems in psycholinguistics. Nijmegen, October 2003.

Baayen, R. H. (with M. Ernestus), Synchronic analogy and suboptimality. Amsterdam, May 2003.

Baayen, R. H., Linear mixed effect modeling. Detroit, February 2003; Edmonton, April 2002.

2002 Baayen, R. H., Probability in Morphology. Marburg, January 2002.

2001 Baayen, R. H., Probabilistic morphology. Osnabrück, December 2001.

Baayen, R. H., The subjects as a simple random effect fallacy. Haskins Laboratories, New Haven, January 2001.

2000 Baayen, R. H., Applied word frequency statistics: morphological mixtures, year distributions, and emerging vogue-affixes. Brighton, November 2000.

Baayen, R. H., Years in newspapers, and high-frequency items in LNRE distributions. Institut für machinelle Sprachverarbeitung, Stuttgart, June 2000.

1998 Baayen, R. H., Family size effects in Morphology. Ecole d'été morphologie 1998, Poitiers, Frankrijk, September 1998.

1997 Baayen, R. H., LNRE models in lexical statistics. University of Manitoba, Winnipeg, December 1997.

Baayen, R. H., The balance of storage and computation in morphology. University of Manitoba, Winnipeg, December 1997.

Baayen, R. H., How complex simplex words can be. University Pompeu Fabra, Barcelona, April 1997.

1996 Baayen, R. H., Process Morphology: Quantitative and Cognitive Aspects of Word Structure. Bell Laboratories, Murray Hill, USA, March 1996.

Baayen, R. H., Singulars and plurals in language comprehension. University of Amsterdam, The Netherlands, February 1996; University of Potsdam, Germany, October 1995.

1995 Baayen, R. H., Chronicling 'The Times': productive lexical innovations in an English newspaper. University of Trier, Germany, June 1995.

Baayen, R. H., The randomness assumption in word frequency statistics. AT&T Bell Laboratories, Murray Hill, USA, March 1995.

Baayen, R. H., Regular morphology in language comprehension. AT&T Bell Laboratories, Murray Hill, USA, March 1995; Haskins Laboratories, New Haven, USA, March 1995.

Baayen, R. H., The processing of regular plurals in Dutch. Humboldt University, Berlin, Germany, February 1995.

1994 Baayen, R. H., Introduction to lexical statistics. University of Geneva, Switzerland, November 1994.

Baayen, R. H., Productivity in morphology: a corpus-based approach. University of Stuttgart, Germany, May 1994.

1993 Baayen, R. H., Morphological productivity in corpora of written texts. University of Leeds, UK, May 1993.

1992 Baayen, R. H., Derivational morphology, productivity, and texts. University of Freiburg, Germany, December 1992.

membership of professional organizations

2020 **Associated faculty of the International Max Planck Research School for Intelligent Systems (IMPRS-IS)**.

2004 **Linguistic Society of America**.

editorial work

member of editorial board

2018-2022 **PLOS ONE**.

2009-2012 **Language, associate editor**.

2008-2010 **Journal of Experimental Psychology: Memory and Cognition**.

2008-2014 **Word Structure**.

2005-pres **The Mental Lexicon, editor-in-chief since 2021**.

2005-pres **Morphology**.

2004-pres **Corpus Linguistics and Linguistic Theory**.

2002-pres **Linguistics, associate editor since 2015**.

1997-2011 **Text, Speech and Language Technology**.

1996-2005 **Computers and the Humanities**.

1994-2002 **Journal of Quantitative Linguistics**.

additional refereeing for, e.g.

Aphasiology; Brain and Language; British Journal of Mathematical and Statistical Psychology, Computational Linguistics; Cognition; Cognitive Linguistics; Cognitive Psychology; English Language and Linguistics; Journal of the Acoustical Society of America; Journal of Cognitive Neuroscience; Journal of Memory and Language; Journal of Experimental Psychology: General/LMC; Journal of Phonetics; Journal of Semantics; Language; Language and Cognitive Processes; Language, Cognition, and Neuroscience; Language Learning; Language Resources and Evaluation; Lingua; Literary and Linguistic Computing; Mental Lexicon; Memory and Cognition; Morphology; Phonetica; PLOS ONE; Pragmatics; Proceedings of the National Academy of Sciences of the USA; Psychonomic Bulletin and Review; Psychological Methods; Psychological Review; Psychological Science; Quarterly Journal of Experimental Psychology; Royal Society Interface; Science; Scientific Studies of Reading; Speech Communication; Trends in Cognitive Science; Visual Cognition; Yearbook of Morphology; as well as for research councils in the USA, Belgium, Britain, Canada, ERC, Portugal, New Zealand, Germany, Austria, Israel, The Netherlands, and South Africa

organization of international meetings

01-2022 **Virtual Workshop on Morphology and Word Embeddings**, *Organized in collaboration with Brown, D., and Y.-Y. Chuang*, Tübingen.

03-2021 **International Conference on Error-Driven Learning in Language (EDLL 2021)**, *together with Nixon, J., and E. Shafaei -Bajestan, who did most of the work*, Tübingen.

11-2019 **The International Morphological Processing Conference (MoProc 2019)**, *together with Linke, M. and E. Shafaei -Bajestan*, Tübingen.

01-2017 **Workshop New Methods in Statistics**, Tübingen.

11-2015 **6th Conference on Quantitative Investigations in Theoretical Linguistics (QITL-6)**, *together with Jäger, G., J. Wahle and M. Köhler*, Tübingen.

03-2015 **Workshop Vector Semantics**, Tübingen.

09-2014 **Advances in Visual Methods for Linguistics (AVML)**, *(Tomaschek, F. did most of the work)*, Tübingen.

08-2014 **Workshop Estonian Morphology**, Tübingen.

06-2013 **Symposium Discriminative learning and morphology**, *(at the 8th International Morphological Processing Conference)*, Cambridge.

11-2012 **Generalized Additive Modeling/Mixed-Effects Regression Workshop (gam-mer)**, *(Organized in collaboration with Wieling, M.)*, Tübingen.

10-2009 **American Association for Corpus Linguistics (AACL 2009)**, *(Newman, J. did most of the hard work)*, University of Alberta, Edmonton.

10-2008 **6th International conference on the mental lexicon**, *(Contributed as a member of a team in which Libben, G. and E. French did almost all the work)*, Banff.

08-2006 **Architectures and mechanisms of language processing (AMLaP 2006)**, *(Organized in collaboration with McQueen, J. and M. Ernestus)*, Nijmegen.

05-2003 **Fifth International Quantitative Linguistics Conference (QUALICO 2003)**, *(Organized in collaboration with Tweedie, F. J. and S. Embleton)*, Athens, Georgia.

06-2001 **Morphological Processing**, *International workshop organized at the Max Planck Institute for Psycholinguistics*, Nijmegen.

01-2001 **Affix ordering and productivity**, *International workshop organized at the Max Planck Institute for Psycholinguistics*, Nijmegen.

08-2000 **Fourth International Quantitative Linguistics Conference (QUALICO 2000)**, *Organized in collaboration with Tweedie, F. J. and S. Embleton*, Prague.

11-1997 **What spelling changes**, *Workshop, organized in collaboration with Neijt, A. and R. Schreuder at the Max Planck Institute for Psycholinguistics*, Nijmegen.

06-1995 **Morphology: why, how, when, when not, and why not? Towards an integrated theory of morphology in the mental lexicon**, *Workshop, organized in collaboration with Schreuder, R. at the Max Planck Institute for Psycholinguistics*, Nijmegen.

teaching experience

A. undergraduate courses

2011-pres **Linguistics for Cognitive Science**, Eberhard Karls University, Tübingen, Germany.

2012-pres **Mathematics for Linguistics: Statistics**, Eberhard Karls University, Tübingen, Germany.

win 2011 **Introduction to Linguistics**, Ling 102, University of Alberta, Canada.

spr 2009 **Introduction to Human language**, Ling 100, University of Alberta, Canada.

fall 2009 **Language and evolution**, Ling 499, University of Alberta, Canada.

sum 2004 **Morphology**, University of Canterbury, New Zealand.

fall 1987 **Introduction to General Linguistics**, Free University, Amsterdam, the Netherlands.

sum 1980 **Practical Phonetics**, Summer Institute of Linguistics, High Wycombe, UK.

B. graduate courses

2011-pres **Introduction to Cognitive Models of Language Processing**, Eberhard Karls University, Tübingen, Germany.

sum 2012 **Causality in Language**, Eberhard Karls University, Tübingen, Germany.

2012-pres **Regression Modeling Strategies for the Analysis of Linguistic and Psycholinguistic Data**, Eberhard Karls University, Tübingen, Germany.

win 2011 **Quantitative methods**, Ling 603, University of Alberta, Edmonton, Canada.

fall 2010 **Morphology**, Ling 608, University of Alberta, Edmonton, Canada.

spr 2010 **Experimental Methods in Linguistics**, *Experimental Methods in Linguisticsl*, University of Sheffield, Sheffield, UK.

win 2009 **Computational Modeling**, Ling 608, University of Alberta, Edmonton, Canada.

win 2008 **Corpus Linguistics**, Ling 619, University of Alberta, Edmonton, Canada.

fall 2008 **Methods in experimental psycholinguistics**, Ling 615, University of Alberta, Edmonton, Canada.

fall 2007 **Statistical Methods**, Ling 683, University of Alberta, Edmonton, Canada.

fall 2006 **Experimental Morphology**, Radboud University, Nijmegen, the Netherlands.

spr 2006 **Linguistic Data**, Radboud University, Nijmegen, the Netherlands.

spr 1989 **Field Methods**, Free University, Amsterdam, the Netherlands.

fall 1988 **Translation Theory**, Free University, Amsterdam, the Netherlands.

spr 1987 **Language Typology**, Free University, Amsterdam, the Netherlands.

spr 1985 **Syntax**, Free University, Amsterdam, the Netherlands.

C. post-graduate courses

spr 2022 **Discriminative Learning and the Lexicon: NDL and LDL**, *Groningen Spring School Cognitive Modeling*, University of Groningen, Groningen, Netherlands, together with Chuang, Y. Y., and Heitmeier, M..

fall 2021 **An introduction to data analysis with the generalized additive model**, *DFG Research Training Group "Statistical Modeling in Psychology" (SMiP)*, University of Mannheim, Mannheim, Germany, together with Chuang, Y. Y., and Hendrix, P..

spr 2021 **An introduction to vector space morphology and morphological processing using linear discriminative learning (LDL)**, *Spring Training in Experimental Psycholinguistics school (STEP2021)*, University of Alberta, Edmonton, Canada, together with Chuang, Y. Y., Luo, X., Heitmeier, M., and Shafaei-Bajestan, E..

spr 2021 **An introduction to data analysis with the generalized additive model**, *Spring Training in Experimental Psycholinguistics school (STEP2021)*, University of Alberta, Edmonton, Canada, together with Chuang, Y. Y., and Hendrix, P..

spr 2020 **Statistics and computational modeling**, *Virtual Master Class in Quantitative Linguistics*, University of Tartu, Estonia, together with Chuang, Y. Y..

spr 2019 **Modeling lexical processing with Linear Discriminative Learning: A practical introduction to computational Word and Paradigm Morphology with the WpmWithLdl R package**, *Spring Training in Experimental Psycholinguistics school (STEP@CCP 2019)*, University of Alberta, Edmonton, Canada, together with Chuang, Y. Y..

win 2019 **The WpmWithLdl package for R: A tutorial introduction to modeling with linear discriminative learning**, *Theoretical and Applied Linguistics workshop*, University of Cambridge, Cambridge, UK, together with Chuang, Y. Y..

sum 2018 **Computational modeling of lexical processing with naive discriminative learning**, *12th Summer School of Linguistics (SSoL 2018)*, Charles University, Kroměříž, Czech Republic.

spr 2018 **Computational modeling of lexical processing with naive discriminative learning**, *Spring Training in Experimental Psycholinguistics school (STEP@CCP 2018)*, University of Alberta, Edmonton, Canada.

fall 2017 **Statistik für LinguistInnen**, *Statistische Linguistik*, University of Vienna, Vienna, Austria.

fall 2017 **Hierarchical Linear Models - Regression Modeling Strategies for the Analysis of Linguistic and Psycholinguistic Data**, *Graduate School of Economic and Social Sciences (GESS)*, University of Mannheim, Mannheim, Germany.

spr 2017 **Workshop On Random Effect Structures In The Modelling Of Language Data, taught with Arief Gusnanto**, *Language@Leeds*, University of Leeds, Leeds, UK.

spr 2017 **Implicit Grammar: a discriminative perspective on language and language processing**, *Spring Training in Experimental Psycholinguistics school (STEP@CCP 2017)*, University of Alberta (lifesize video conference), Edmonton, Canada.

win 2017 **Analysing Language Data: Thinking like a Quantitative Linguist**, *Interdisciplinary College (IK2017)*, Heinrich-Lübke-Haus, Günne, Germany.

fall 2016 **An introduction to Generalized Additive Mixed Models**, *16th Speech Science and Technology Conference (SST2016) Tutorial Day*, Western Sydney University, Sydney, Austrialia.

fall 2016 **Workshop Statistics in linguistic research**, *Institut für Romanistik*, University of Vienna, Vienna, Austria.

sum 2016 **Workshop: Korpora und statistische Methoden**, *Im Rahmen des Oberseminars "Aktuelle Themen der Romanischen Sprachwissenschaft"*, Eberhard Karls University, Tübingen, Germany.

sum 2016 **Masterclass: "GAMMs"**, *HRI Visiting European Fellow Programme*, University of Sheffield, Sheffield, UK.

spr 2016 **Implicit Grammar**, *Spring Training in Experimental Psycholinguistics school*, University of Alberta, Edmonton, Canada.

spr 2015 **Naive discriminative learning (NDL) and vector semantics**, *First International Quantitative Morphology Meeting (IQMM1) Tutorials*, University of Belgrade, Belgrade, Serbia.

spr 2015 **Naive discriminative learning**, *Spring Training in Experimental Psycholinguistics school*, University of Alberta, Edmonton, Canada.

fall 2014 **Naive discriminative learning**, *(Autumn school Methods in Language Comprehension)*, University of Trento, Rovereto, Italy.

sum 2014 **Networds summer school Words: structure, meaning, acquisition, processing**, University of Trondheim, Trondheim, Norway.

fall 2012 **An introduction to statistical analysis with R**, University of Tartu, Tartu, Estonia.

spr 2012 **Introduction to statistical modeling with R**, University of Leeds, Leeds, UK.

spr 2006 **An introduction to statistical analysis with R**, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands.

sum 2005 **Storage and computation in the mental lexicon: an exemplar-based approach**, *Summer school of the Linguistic Society of America*, Massachusets Institute for Technology, Cambridge MA., USA.

fall 2004 **Soft computing: An introduction to R as a statistical programming environment for the analysis of quantitative linguistic data**, *Graduate School of Language Technology in Finland*, Helsinki, Finland.

sum 2004 **On the teaching staff and external lecturer**, *Fourth annual research meeting: Esrc and Dfg joint summer school in computational linguistics and psycholinguistics*, Edinburgh, UK.

sum 2001 **Morphology in the Mental Lexicon**, *Lot summer school*, Utrecht, the Netherlands.

sum 1998 **Morphology in the Mental Lexicon**, *(NorFA summer school, languages, minds, and brains)*, Mekrijärvi, Finland.

win 1997 **Lexical Statistics**, *Lot Winter school*, Nijmegen, the Netherlands.
sum 1997 **Morphology and the Mental Lexicon**, *Elsnet summer school*, Leuven, Belgium.
sum 1994 **Introduction to lexical statistics**, *(University of Geneva)*, Geneva, Switzerland.
sum 1992 **The Mental Lexicon**, *(Dutch linguistic society summer school)*, Nijmegen, the Netherlands.
sum 1991 **Productivity**, *(Groningen graduate school)*, Groningen, the Netherlands.