

**Bodo Winter**

Jan 28, 2025

Professor of Linguistics, UKRI Future Leader Fellow

**Research and academic positions**

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| Prof., University of Birmingham, UK, Dept. of Linguistics & Communication          | 2016-present |
| UK Research and Innovation Future Leader Fellow                                    | 2021-present |
| Editor-in-Chief, <i>Language and Cognition</i> (Cambridge University Press)        | 2021-2024    |
| General Editor, <i>Language and Cognition</i> (Cambridge University Press)         | 2017-2021    |
| Mercator Fellow, Collaborative Research Centre 'Prominence', University of Cologne | 2017-2024    |
| Sapienza University of Rome Visiting Professorship                                 | 2021         |

**Education**

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|---|-----------|
| PhD, University of California, Merced, Cognitive & Information Sciences                   | 2011-2016 |
| Doctoral fellow, Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics | 2010-2011 |
| M.A. (awarded May 2010), University of Hawai'i at Mānoa, Dept. of Linguistics             | 2009-2010 |
| Magister (not completed), University of Cologne, Dept. of General Linguistics (major)     | 2006-2009 |

**Grants**

|   |      |
|---|------|
| UKRI Future Leaders Fellowship (£1.1 mio, MR/T040505/1) | 2021 |
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**Books**

**Winter, B.** (2019). *Sensory linguistics: Language, perception and metaphor*. Amsterdam: John Benjamins.

**Winter, B.** (2019). *Statistics for Linguists: An Introduction Using R*. London: Routledge.

**Papers, under submission**

Roemling, D., **Winter, B.**, & Grieve, J. (in press). Visualizing map data for linguistics using ggplot2: A tutorial with examples from dialectology and typology. *Journal of Linguistic Geography*.

**Winter, B.**, Woodin, G., & Perlman, M. (in press). Defining iconicity for the cognitive sciences. *Oxford Handbook of Iconicity in Language*.

Hodge, G., Manrique, E., **Winter, B.**, & Cormier, K. (accepted). Manual wh-signs and English wh-mouthings differentiate BSL content and polar questions. *Linguistics*.

Hodge, G., **Winter, B.**, Schembri, A., & Cormier, K. (revise & resubmit). BSL signers combine different strategies to negate clauses. *Open Linguistics*.

Fini, C., Era, V., Cuomo, G., Falcinelli, I., Gervasi, A. M., Candidi, M., Mazzuca, C., Liuzza, M. T., **Winter, B.**, & Borghi, A. (revise & resubmit). Digital connection, real bonding: Brief online chats boost interpersonal closeness regardless of the conversational topic. *iScience*.

- Villani, C., De Muynck, G., Borghi, A. M., Lugli, L., & **Winter, B.** (revise & resubmit). Open hands, large numbers: Manual gestures influence random number generation. *Psychological Research*.
- Wilding, E., Winter, B., Littlemore, J., Perlman, M. (Submitted.) Iconic words attract iconic gestures. *Cognitive Science*.

### Journal papers, published

- Ćwiek, A., Anselme, R., Dediu, D., Fuchs, S., Kawahara, S., Oh, G. E., Paul, J., Perlman, M., Petrone, C., Reiter, S., Ridouane, R., Zeller, J., & Winter, B. (2024). The alveolar trill is perceived as jagged/rough by speakers of different languages. *Journal of the Acoustical Society of America*, 156, 3468–3479. <https://doi.org/10.1121/10.0034416>
- Lorson, A., Macuch-Silva, V., Hart, C., & **Winter, B.** (2024). Gesture size affects numerical estimates in quantifier comprehension. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. <https://doi.org/10.1037/xlm0001372>
- Macuch-Silva, V., Lorson, A., Franke, M., Cummins, C., & Winter, B. (2024). Strategic use of English quantifiers in the reporting of quantitative information. *Discourse Processes*. <https://doi.org/10.1080/0163853X.2024.2413311>
- Woodin, G., & **Winter, B.** (2024). Numbers in context: Cardinals, ordinals, and nominals in American English. *Cognitive Science*, e13471. <https://doi.org/10.1111/cogs.13471>
- Watkins, F., Abdikarim, D., **Winter, B.**, & Thompson, R. L. (2024). Viewing angle matters in British Sign Language processing. *Scientific Reports*, 14: 1043. <https://doi.org/10.1038/s41598-024-51330-1>
- Winter, B.** & Marghetis, T. (2023). Multimodality matters in numerical communication. *Frontiers in Psychology*, 14:1130777. <https://doi.org/10.3389/fpsyg.2023.1130777>
- Winter, B.** & Strik-Lievers, F. (2023). Semantic distance predicts metaphoricity and creativity judgments in synesthetic metaphors. *Metaphor and the Social World*, 13:1, 59-80. <https://doi.org/10.1075/msw.00029.win>
- Winter, B.**, Perlman, M., Perry, L. K., Lupyan, G., & Dingemanse, M. (2023). Iconicity ratings for 14,000+ English words. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-023-02112-6>  
Preprint: <https://osf.io/qvw6u/>
- Winter, B.**, Fischer, M. H., Scheepers, C., & Myachikov, A. (2023). More is better: English language statistics are biased towards addition. *Cognitive Science*, e13254. <https://doi.org/10.1111/cogs.13254>
- Woodin, G., Grieve, J., Perlman, M., Littlemore, J., & **Winter, B.** (2023). Large-scale patterns of number use in spoken and written English. *Corpus Linguistics and Linguistic Theory*. <https://doi.org/10.1515/cllt-2022-0082>
- Brown, L., Kim, H., Hübscher, I., & **Winter, B.** (2023). Gestures are modulated by social context: A study of multimodal politeness across two cultures. *Gesture*, 21: 2-3, pp. 167-200. <https://doi.org/10.1075/gest.20034.bro>
- Winter, B.** (2022). Abstract concepts and emotion: Cross-linguistic evidence and arguments against affective embodiment. *Philosophical Transactions of the Royal Society B*, 378: 20210368. <https://doi.org/10.1098/rstb.2021.0368>
- Brown, L., Kim, H., & **Winter, B.** (2022). Is it polite to hiss?: Nonverbal sound objects as markers of (im)politeness in Korean. *Frontiers in Communication*, 7:854066, 1-17. <https://doi.org/10.3389/fcomm.2022.854066>
- Roessig, S., **Winter, B.**, & Mücke, D. (2022). Tracing the phonetic space of prosodic focus marking. *Frontiers in Artificial Intelligence*, 5:842546, 1-24. <https://doi.org/10.3389/frai.2022.842546>

- Winter, B.**, Sóskuthy, M., Perlman, M., & Dingemanse, M. (2022). Trilled /r/ is associated with roughness, linking sound and touch across spoken languages. *Nature: Scientific Reports*, 12:1. <https://doi.org/10.1038/s41598-021-04311-7>
- Woodin, G., **Winter, B.**, & Padilla, L. (2022). The effect of conceptual metaphors on the interpretation of data visualizations. *IEEE: Transactions on visualization and computer graphics*, 28:2, 1209-1221. <https://doi.org/10.1109/TVCG.2021.3088343>
- Strik-Lievers, F., Bolognesi, M., & **Winter, B.** (2021). The linguistic dimensions of concrete and abstract concepts: Lexical category, morphological structure, countability, and etymology. *Cognitive Linguistics*, 32:4, 641-670. <https://doi.org/10.1515/cog-2021-0007>
- Winter, B.**, & Bürkner, P. (2021). Poisson regression for linguists: A tutorial introduction to modeling count data with brms. *Language and Linguistics Compass*, 15:11, e12439, 1-23. <https://doi.org/10.1111/lnc3.12439>
- Winter, B.**, Oh, G.-E., Hübscher, I., Idemaru, K., Brown, L., & Prieto, P. (2021). Rethinking the frequency code: A meta-analytic review of the role of acoustic body size in communicative phenomena. *Philosophical Transactions of the Royal Society B*, 376:1840(20200400), 1-13. <https://doi.org/10.1098/rstb.2020.0400>
- Fischer, M. H., **Winter, B.**, Felisatti, A., Myachykov, A., Mende, M. A., & Shaki, S. (2021). Commentary: More instructions make fewer subtractions. *Frontiers in Psychology*, 12, 1-3. <https://doi.org/10.3389/fpsyg.2021.720616>
- Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schümchen, N., Szalontai, A., Ünal-Logacev, Ö., Zeller, J., **Winter, B.**, & Perlman, M. (2021). The boubá/kiki effect is robust across cultures and writing systems. *Philosophical Transactions of the Royal Society B*, 377:1841(20200390), 1-13. <https://doi.org/10.1098/rstb.2020.0390>
- Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schümchen, N., Szalontai, A., Ünal-Logacev, Ö., Zeller, J., **Winter, B.**, & Perlman, M. (2021). Novel vocalizations are understood across cultures. *Nature: Scientific Reports*, 11:1, 1-12. <https://doi.org/10.1038/s41598-021-89445-4>
- Oh, E., **Winter, B.**, & Idemaru, K. (2021). Korean speakers hyperarticulate vowels in polite speech. *Phonetics and Speech Sciences (말소리와 음성과학)*, 13:3, 15-20. <http://doi.org/10.13064/KSSS.2021.13.3.015>
- Hart, C., & **Winter, B.** (2021). Gesture and legitimation in the anti-immigration discourse of Nigel Farage. *Discourse & Society*, 33:1, 34-55. <https://doi.org/10.1177/09579265211048560>
- Kim, H., **Winter, B.**, & Brown, L. (2021). Beyond politeness markers: Multiple morphological and lexical differences index deferential meanings in Korean. *Journal of Pragmatics*, 182, 203-220. <https://doi.org/10.1016/j.pragma.2021.06.006>
- Winter, B.**, & Grice, M. (2021). Independence and generalizability in linguistics. *Linguistics*, 59:5, 1251-1277. <https://doi.org/10.1515/ling-2019-0049>
- Winter, B.**, & Perlman, M. (2021). Size sound symbolism in the English lexicon. *Glossa*, 6:1, 1-13. <https://doi.org/10.5334/gjgl.1646>
- Winter, B.**, & Perlman, M. (2021). Iconicity ratings really do measure iconicity, and they open a new window onto the nature of language. *Linguistics Vanguard*, 7:1, 20200135. <https://doi.org/10.1515/lingvan-2020-0135>
- Winter, B.**, & Yoshimi, J. (2020). Metaphor and the philosophical implications of embodied mathematics. *Frontiers in Psychology: Theoretical and Philosophical Psychology*, 11, 569487, 1-13. <https://doi.org/10.3389/fpsyg.2020.569487>

- Woodin, G., **Winter, B.**, Perlman, M., Littlemore, J., & Matlock, T. (2020). 'Tiny' numbers are actually tiny: Evidence from gestures in the TV News Archive. *PLoS ONE*, 15:11, e0242142, 1-21. <https://doi.org/10.1371/journal.pone.0242142>
- Winter, B.**, & Duffy, S. (2020). Can co-speech gesture alone carry the mental time line? *Journal of Experimental Psychology: Learning, Memory & Cognition*, 46:9, 1768-1781. <https://doi.org/10.1037/xlm0000836>
- Winter, B.**, Duffy, S. & Littlemore, J. (2020). Power, gender, and individual differences in spatial metaphor: The role of perceptual stereotypes and language statistics. *Metaphor & Symbol*, 35:3, 188-205. <https://doi.org/10.1080/10926488.2020.1794319>
- Idemaru, K., **Winter, B.**, Oh, G. & Brown, L. (2020). Loudness trumps pitch in determining politeness judgments: Evidence from Korean deferential speech. *Language and Speech*, 63:1, 123-148. <https://doi.org/10.1177/0023830918824344>
- Savino, M., **Winter, B.**, Bosco, A., & Grice, M. (2020). Intonation does aid serial recall after all. *Psychonomic Bulletin & Review*, 27:2, 366-372. <https://doi.org/10.3758/s13423-019-01708-4>
- Winter, B.**, Pérez-Sobrino, P., & Brown, L. (2019). The sound of soft alcohol: Crossmodal associations between interjections and liquor. *PLoS ONE*, 4:8, e0220449, 1-17. <https://doi.org/10.1371/journal.pone.0220449>
- Idemaru, K., **Winter, B.**, & Brown, L. (2019). Cross-cultural multimodal politeness: The phonetics of Japanese deferential speech in comparison to Korean. *Intercultural Pragmatics*, 16:5, 517-555. <https://doi.org/10.1515/ip-2019-0027>
- Roettger, T. B., **Winter, B.**, & Baayen, H. (2019). Emergent data analysis in phonetic sciences: Towards pluralism and reproducibility. *Journal of Phonetics*, 73, 1-7. <https://doi.org/10.1016/j.wocn.2018.12.001>
- Brown, L., & **Winter, B.** (2018). Multimodal indexicality in Korean: "Doing deference" and "performing intimacy" through nonverbal behavior. *Journal of Politeness Research*, 15:1, 25-54. <https://doi.org/10.1515/pr-2016-0042>
- Hassemer, J., & **Winter, B.** (2018). Decoding gestural iconicity. *Cognitive Science*, 42:8, 3034-3049. <https://doi.org/10.1111/cogs.12680>
- Woodin, G., & **Winter, B.** (2018). Placing abstract concepts in space: quantity, time and emotional valence. *Frontiers in Psychology*, 9:2169, 1-14. <https://doi.org/10.3389/fpsyg.2018.02169>
- Baumann, S., & **Winter, B.** (2018). What makes a word prominent? Predicting untrained listeners' prominence judgments. *Journal of Phonetics*, 70, 20-38. <https://doi.org/10.1016/j.wocn.2018.05.004>
- Lupyan, G., & **Winter, B.** (2018). Language is more abstract than you think, or, why aren't languages more iconic? *Philosophical Transactions of the Royal Society B*, 373:1752(20170137), 1-11. <https://doi.org/10.1098/rstb.2017.0137>
- Winter, B.**, Perlman, M., & Majid, A. (2018). Vision dominates in perceptual language: English sensory vocabulary is optimized for usage. *Cognition*, 179, 213-220. <https://doi.org/10.1016/j.cognition.2018.05.008>
- Littlemore, J., Pérez Sobrino, P., Houghton, D., Shi, J., & **Winter, B.** (2018). What makes a good metaphor? A cross-cultural study of computer-generated metaphor appreciation. *Metaphor & Symbol*, 33, 101-122. <https://doi.org/10.1080/10926488.2018.1434944>
- Winter, B.**, Daguna, J., & Matlock, T. (2018). Metaphor-enriched social cognition and spatial bias in the courtroom. *Metaphor and the Social World*, 8:1, 81-99. <https://doi.org/10.1075/msw.17001.win>
- Strik-Lievers, F., & **Winter, B.** (2018). Sensory language across lexical categories. *Lingua*, 204, 45-61. <https://doi.org/10.1016/j.lingua.2017.11.002>
- Perry, L. K., Perlman, M., **Winter, B.**, Massaro, D. W., & Lupyan, G. (2018). Iconicity in the speech of children and adults. *Developmental Science*, 21:e12572, 1-8. <https://doi.org/10.1111/desc.12572>

- Winter, B.**, Perlman, M., Perry, L. K., & Lupyan, G. (2017). Which words are most iconic? Iconicity in English sensory words. *Interaction Studies*, 18:3, 433-454. <https://doi.org/10.1075/is.18.3.07win>
- Kettig, T., & **Winter, B.** (2017). Producing and perceiving the Canadian Vowel Shift: Evidence from a Montreal community. *Language Variation and Change*, 29:1, 79-100. <https://doi.org/10.1017/S0954394517000023>
- Winter, B.** (2016). Taste and smell words form an affectively loaded part of the English lexicon. *Language, Cognition and Neuroscience*, 31:8, 975-988. <https://doi.org/10.1080/23273798.2016.1193619>
- Hassemer, J., & **Winter, B.** (2016). Producing and perceiving gestures conveying height or shape. *Gesture*, 15:3, 404-424. <https://doi.org/10.1075/gest.15.3.07has>
- Winter, B.**, & Wedel, A. (2016). The co-evolution of speech and the lexicon: The interaction of functional pressures, redundancy and category variation. *Topics in Cognitive Science*, 8:2, 503-513. <https://doi.org/10.1111/tops.12202>
- Winter, B.**, & Wieling, M. (2016). How to analyze linguistic change using mixed models, Growth Curve Analysis and Generalized Additive Modeling. *Journal of Language Evolution*, 1:1, 7-18. <https://doi.org/10.1093/jole/lzv003>
- Winter, B.**, & Wedel, A. (2016). Commentary: Desiccation and tone within linguistic theory and language contact research. *Journal of Language Evolution*, 1:1, 80-82. <https://doi.org/10.1093/jole/lzv010>
- Winter, B.**, & Matlock, T., Shaki, S., & Fischer, M. (2015). Mental number space in three dimensions. *Neuroscience and Biobehavioral Reviews*, 57, 209-219. <https://doi.org/10.1016/j.neubiorev.2015.09.005>
- Mason, P., Dominguez D., J.F., **Winter, B.**, & Grignolio, A. (2015). Hidden in plain view: Degeneracy in complex systems. *BioSystems*, 128, 1-8. <https://doi.org/10.1016/j.biosystems.2014.12.003>
- Winter, B.**, & Marghetis, T., & Matlock, T. (2015). Of magnitudes and metaphors: Explaining cognitive interactions between space, time and number. *Cortex*, 64, 209-224. <https://doi.org/10.1016/j.cortex.2014.10.015>
- Winter, B.** (2014). Spoken language achieves robustness and evolvability by exploiting degeneracy and neutrality. *BioEssays*, 36:10, 960-967. <https://doi.org/10.1002/bies.201400028>
- Winter, B.** (2014). Horror movies and the cognitive ecology of primary metaphors. *Metaphor & Symbol*, 29:3, 151-170. <https://doi.org/10.1080/10926488.2014.924280>
- Brown, L., **Winter, B.**, Idemaru, K., & Grawunder, S. (2014). Phonetics and politeness: Perceiving Korean honorific and non-honorific speech through phonetic cues. *Journal of Pragmatics*, 66, 45-60. <https://doi.org/10.1016/j.pragma.2014.02.011>
- Huette, S., **Winter, B.**, Matlock, T., Ardell, D. H., & Spivey, M. H. (2014). Eye movements during listening reveal spontaneous grammatical processing. *Frontiers in Psychology*, 5:410, 1-7. <https://doi.org/10.3389/fpsyg.2014.00410>
- Röttger, T., **Winter, B.**, Grawunder, S., Kirby, J., & Grice, M. (2014). Assessing the incomplete neutralization of final devoicing in German. *Journal of Phonetics*, 43, 11-25. <https://doi.org/10.1016/j.wocn.2014.01.002>
- Winter, B.**, Perlman, M., & Matlock, T. (2014). Using space to talk and gesture about numbers: Evidence from the TV News Archive. *Gesture*, 13:3, 377-408. <https://doi.org/10.1075/gest.13.3.06win>
- Bentz, C., & **Winter, B.** (2013). Languages with more second language learners tend to lose nominal case. *Language Dynamics & Change*, 3:1, 1-27. <https://doi.org/10.1163/22105832-13030105>
- Lancia, L., & **Winter, B.** (2013). The interaction between competition, learning and habituation dynamics in speech perception. *Laboratory Phonology*, 4:1, 221-257. <https://doi.org/10.1515/lp-2013-0009>



- Winter, B.**, & Matlock, T. (2013). Making judgments based on similarity and proximity. *Metaphor & Symbol*, 28:4, 219-232. <https://doi.org/10.1080/10926488.2013.826529>
- Huette, S., **Winter, B.**, Matlock, T., & Spivey, M. J. (2012). Processing motion implied in language: eye-movement differences during aspect comprehension. *Cognitive Processing*, 13:1, 193-197. <https://doi.org/10.1007/s10339-012-0476-6>
- Winter, B.**, & Bergen, B. (2012). Language comprehenders represent object distance both visually and auditorily: evidence for the immersed experienter view. *Language and Cognition*, 4:1, 1-16. <https://doi.org/10.1515/langcog-2012-0001>
- Winter, B.**, & Grawunder, S. (2012). The phonetic profile of Korean formal and informal speech registers. *Journal of Phonetics*, 40:6, 808-815. <https://doi.org/10.1016/j.wocn.2012.08.006>
- Winter, B.** & Röttger, T. (2011). The nature of incomplete neutralization: Implications for laboratory phonology. *Grazer Linguistische Studien*, 76, 55-74.
- Winter, B.** (2010). A note on the higher phylogeny of Austronesian. *Oceanic Linguistics*, 49:1, 282-287. <https://www.jstor.org/stable/40783595>

### Online publications

- Winter, B.** (2013). Linear models and linear mixed effects models in R with linguistic applications. *arXiv:1308.5499*.

### Book chapters and conference proceedings

- Winter, B.**, Woodin, G., & Perlman, M. (in press). Defining iconicity for the cognitive sciences. In Fischer, O., Akita, K., & Perniss, P. (Eds.), *Oxford Handbook of Iconicity in Language*. Oxford, UK: Oxford University Press.
- Winter, B.**, & Perek, F. (2023). Cognitive linguistics. In Wei, L., Hua, Z., & Simpson, J. (Eds.), *Routledge Handbook of Applied Linguistics* (Vol. 1). London: Routledge.
- Brown, L., Hübscher, I., Kim, H., & **Winter, B.** (2023). Indexing social distance through bodily visual practices in two languages. In Jucker, A. H., Hübscher, I., & Brown, L. *Multimodal im/politeness: signed, spoken, written* (pp. 131-161). Amsterdam: John Benjamins. <https://doi.org/10.1075/pbns.333.05bro>
- Winter, B.** (2022). Mapping the landscape of exploratory and confirmatory data analysis in linguistics. In Tay, D. & Pan, M.-X. (Eds.), *Data analytics in cognitive linguistics: Methods and insights* (pp. 13-48). London: Routledge. <https://doi.org/10.1515/9783110687279-002>
- Winter, B.** (2021). Managing semantic norms for cognitive linguistics, corpus linguistics, and lexicon studies. In A. L. Berez-Kroeker, B. McDonnell, E. Koller, & Lauren B. Collsiter (Eds.), *The Open Handbook of Linguistic Data Management*. MIT Press Open. <https://doi.org/10.7551/mitpress/12200.003.0047>
- Winter, B.** (2019). Synaesthetic metaphors are neither synaesthetic nor metaphorical. In L. Speed, C. O'Meara, L. San Roque & A. Majid (Eds.), *Perception Metaphor* (pp. 105-126). Amsterdam: John Benjamins.
- Winter, B.** & Matlock, T. (2017). Primary metaphors are both cultural and embodied. In B. Hampe (Ed.), *Metaphor: Embodied Cognition and Discourse* (pp. 99-116). Cambridge, UK: Cambridge University Press.
- Winter, B.** (2015). The other N: The role of repetitions and items in the design of phonetic experiments. In The Scottish Consortium for ICPHS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences* (paper number 0181.1-4). Glasgow, UK: The University of Glasgow. <http://www.icphs2015.info/pdfs/Papers/ICPHS0181.pdf>

- Winter, B., & Wedel, A.** (2015). Simulating the interaction of functional pressures, redundancy and category variation in phonetic systems. In H. Little (Ed.), *Proceedings of the Satellite Meeting: The Evolution of Phonetic Capabilities* (pp. 25-29). Glasgow, UK: The University of Glasgow.
- Idemaru, K., **Winter, B.**, & Brown, L. (2015). The role of pitch in perceiving politeness in Korean. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences* (paper number 0214.1-4). Glasgow, UK: The University of Glasgow.  
<http://www.icphs2015.info/pdfs/Papers/ICPHS0214.pdf>
- Matlock, T., & **Winter, B.** (2015). Experimental semantics. In B. Heine & H. Narrog (Eds.), *Oxford Handbook of Linguistic Analysis* (pp. 771-790). Oxford: Oxford University Press.
- Falke, J., **Winter, B.**, & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 2261-2266). Austin, TX: Cognitive Science Society.
- Winter, B.**, & Matlock, T. (2013). Creativity and the sensorimotor grounding of mathematics. In M. Borkent, M. Dancygier, & J. Hinnell (Eds.), *Language and the Creative Mind* (pp. 37-48). Stanford, CA: CSLI Publications.
- Winter, B.**, & Matlock, T. (2013). More is up... and right: Random number generation along two axes. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3789-3974). Austin, TX: Cognitive Science Society.
- Winter, B.**, Thompson, G., & Urban, M. (2013). Cognitive factors motivating the evolution of word meanings: Evidence from corpora, behavioral data and encyclopedic network structure. In E. A. Cartmill, S. Roberts, H. Lyn, & H. Cornish (Eds.), *10th International Conference on the Evolution of Language* (pp. 353-360). Hackensack, NJ: World Scientific.
- Bentz, C., & **Winter, B.** (2012). The impact of L2 speakers on the evolution of case marking. In T. C. Scott-Phillips, M. Tamariz, E. A. Cartmill, & J. R. Hurford (Eds.), *Proceedings of the 9th International Conference on the Evolution of Language* (pp. 58-63). Hackensack, NJ: World Scientific.
- Winter, B.**, & Christiansen, M. H. (2012). Robustness as a design feature of speech communication. In T. C. Scott-Phillips, M. Tamariz, E. A. Cartmill, & J. R. Hurford (Eds.), *Proceedings of the 9th International Conference on the Evolution of Language* (pp. 384-391). Hackensack, NJ: World Scientific.
- Aralova, N., Grawunder, S., & **Winter, B.** (2011). The acoustic correlates of tongue root vowel harmony in Even (Tungusic). In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 240-243). Hong Kong: City University of Hong Kong.
- Grawunder, S., **Winter, B.**, & Atoyebi, J. (2011). Voicing of labiovelar stops in Yoruba. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 767-770). Hong Kong: City University of Hong Kong.
- Röttger, T., **Winter, B.**, & Grawunder, S. (2011). The robustness of incomplete neutralization in German. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 1722-1725). Hong Kong: City University of Hong Kong.
- Winter, B.** (2011). Pseudoreplication in phonetic research. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 2137-2140). Hong Kong: City University of Hong Kong.
- Winter, B.**, & Grawunder, S. (2011). The polite voice in Korean: searching for acoustic correlates of *contaymal* and *panmal*. In H.-M. Sohn, H. M. Cook, W. O'Grady, L. A. Serafim, & S.-Y. Cheon (Eds.), *Japanese/Korean Linguistics 19* (pp. 419-431). Stanford: CSLI.
- Grama, J., & **Winter, B.** (2010). The duality of a homosexual epithet in sports. *Proceedings of the Annual Language, Linguistics and Literature Graduate Student Conference*. Honolulu, April 2011.

- Grawunder, S., & **Winter, B.** (2010). Acoustic correlates of politeness: prosodic and voice quality measures in polite and informal speech of Korean and German speakers. *Speech Prosody 2010*, 100316, 1-4. <http://speechprosody2010.illinois.edu/papers/100316.pdf>
- Winter, B.** (2010). The moving target argument and the speed of evolution. In: Smith, A.D., Schouwstra, M., de Boer, B., & Smith, K. (Eds.), *Proceedings of the 8th International Conference on the Evolution of Language* (pp. 352-359). Hackensack, NJ: World Scientific.
- Winter, B.**, & Grawunder, S. (2009). The physics of politeness: Approaching Korean politeness from a phonetic perspective. *Proceedings of the 24th Conference of the Association for Korean Studies in Europe*. Leiden, June 2009.

## **Plenary lectures / invited keynote talks for conferences, symposia or workshops**

- Theoretical Foundations of Interdisciplinarity, Helsinki Collegium for Advanced Studies**  
Invited keynote 2023
- Voices in Context, University of Cologne**  
A workshop on the prosody-pragmatics interface for Early Career Researchers 2023
- Language and Cognition at Birmingham (LACAB) Annual Meeting**  
Embodiment on demand: Why not all concepts have to be grounded 2022
- XLVIII Finnish Conference of Linguistics, University of Turku, Turku, Finland**  
Statistics in linguistics: Thoughts on recurrent issues and pedagogy 2022
- Scandinavian Association of Cognitive Linguistics (SALC8), Åbo Akademi University, Turku, Finland**  
Iconicity, not arbitrariness, is a design feature of language 2022
- Abralin Ao Vivo, Brazil**  
Iconicity, not arbitrariness, is a design feature of language 2022  
<https://www.youtube.com/watch?v=R1ETw21oCGE>
- ‘New/fresh perspectives on abstract concepts’ symposium organized by TRAINCREASE European Union Horizon 2020 project (No 952324)**  
Iconicity versus abstractness, or, why are languages not more iconic? 2021  
<https://www.youtube.com/watch?v=FTXrrbo3cTU&t=10698s>
- The 4th Białystok-Kyiv Conference on Theoretical and Applied Linguistics**  
Language and perception 2021
- The 27th Annual Korea TESOL International Conference, Sookmyung Women’s University**  
New research on gesture: Implications for language learning & teaching 2019
- Metaphor Festival, Amsterdam**  
Language and the senses: The role of perceptual metaphor 2019
- Edinburgh University, Lexical flexibility workshop**  
Metaphor and sense extension: the role of asymmetry 2019
- Key Questions and New Methods in the Language Sciences, MPI for Psycholinguistics**  
A manifesto for norms 2017
- The 25<sup>th</sup> Annual Korea TESOL International Conference, Sookmyung Women’s University**  
A manifesto for open reproducible linguistics 2017  
The sweet stink of language: The sensory structure of the English lexicon 2017
- Perception Metaphor Workshop, Nijmegen Center for Language Studies**  
Rethinking synesthetic metaphors 2016

## **Peer-reviewed conference presentations**



- Albert, A., Kaland, C., Ellison, M. T., Cangemi, F., **Winter, B.**, & Grice, M. (2024). Harvesting spontaneous speech data from digital reservoirs to study prosody. CorpusPhon satellite workshop at LabPhon19, Hanyang University, South Korea, 2024.
- Strik-Lievers, F., & **Winter, B.** (2023). Theory and methods in linguistic synesthesia research: A meta-analysis of sensory metaphors. *7th International Symposium on Figurative Thought and Language*. Genoa, Italy, September, 2023.
- Winter, B.**, Kinsella, A., Lorson, A., Woodin, G., Macuch-Silva, V. (2023). Using spatial language to describe quantities: A corpus-based analysis of English change-of-state verbs. *7th International Symposium on Figurative Thought and Language*. Genoa, Italy, September, 2023.
- Winter, B.**, Fischer, M. H., Scheepers, C., & Myachykov, A. (2023). More is better: Language statistics reveal a bias towards addition. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Duffy, S., Littlemore, J., Turner, S., **Winter, B.**, & Woodin, G. (2023). How children and adults use metaphor to reason about time, number, emotion, and music. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Woodin, G., **Winter, B.**, Littlemore, J., Perlman, M., & Grieve, J. (2023). How numerical communication reflects cognition: A corpus-based analysis. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Wilding, E., **Winter, B.**, Perlman, M., & Littlemore, J. (2023). The relationship between words rated as 'iconic' and (iconic) gesture. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Macuch Silva, V., Lorson, A., Kinsella, A., Woodin, G., & **Winter, B.** (2023). A corpus analysis of English change-of-state verbs used to talk about quantity. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Seeing gestures can change what numbers you have in mind. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.
- Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Is quantifier interpretation susceptible to gestural influence? *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.
- Macuch Silva, V., Lorson, A., & **Winter, B.** (2023). Strategic use of quantifiers in reporting statistics. *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.
- Winter, B.** (2023). Acoustics versus articulation: What is sound symbolism based on?. *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.
- Winter, B.**, & Marcus, P. (2022). There is nothing arbitrary about the linguistic sign. *Joint Conference on Language Evolution (Evolang, Protolang, and Evolvinguistics)*. Kanazawa, Japan. September, 2022.
- Winter, B.** (2022). Do abstract concepts have to be 'grounded' in anything other than language? *The 8th Conference of the Scandinavian Association for Language and Cognition 'SALC8'*, Åbo Akademi University, Turku, Finland, August 2022.
- Perlman, M., & **Winter, B.** (2022). Subjective iconicity ratings show the continuity between ideophones and prosaic words. *Paper presented at the Workshop on Typology of Ideophones WTI-2022*, co-hosted by York University, Toronto, Canada & Nagoya University, Aichi, Japan. June, 2022.
- Brown, L., Kim, H., Hübscher, I., & **Winter, B.** (2022). A cross-cultural study of politeness and gesture in Catalan and Korean. *9th International Conference on Intercultural Pragmatics and Communication*, The University of Queensland, Brisbane, Australia, June 2022.

- Winter, B.** (2022). Systematicity and iconicity in English count and mass nouns. *9th International Conference of the German Cognitive Linguistics Association*. Erfurt, Germany. March, 2022.
- Winter, B., & Marcus, P.** (2022). Metaphor and onomatopoeia in the language of bird song. *9th International Conference of the German Cognitive Linguistics Association*. Erfurt, Germany. March, 2022.
- Winter, B.** (2021). GLMs and Bayesian multilevel models. *Emerging Topics in Typology ETT2021*. University of Helsinki, November, 2021.
- Winter, B.** (2021). Grounding abstract concepts in emotion: cross-linguistic evidence. *13th Embodied and Situated Language Processing 'ESLP'*. September 2021.
- Woodin, G., **Winter, B.**, & Perlman, M. (2021). The iconic impetus of language: From sensorimotor simulation to the lexicon. *Protolang 7*, Heinrich-Heine University Düsseldorf, Germany, September 2021.
- Woodin, G., **Winter, B.**, & Padilla, L. (2021). Conceptual metaphor and graphical convention influence interpretation of line graphs. *IEEE Vis2021*, October 2021.
- Hübscher, I., Brown, L., Kim, H., & **Winter, B.** (2021). Cross-cultural similarities and differences in the indexing of social distance through gestures and body movement. *17th International Pragmatics Conference 'IPRA'*. Winterthur, Switzerland, June 2021.
- Woodin, G., **Winter, B.**, Perlman, M., Littlemore, J., & Matlock, T. (2020). Tiny numbers are actually tiny: Gestural evidence from the TV News Archive. *5th International Conference on Figurative Thought and Language 'FTL5'*. Sofia, Bulgaria, October 2020.
- Winter, B.** & Perlman, M. (2020). Crossmodal language and onomatopoeia in descriptions of bird vocalization. *The 2nd International Conference on Timbre*. Thessaloniki, Greece, September 2020.
- Perlman, M. & **Winter, B.** (2020). The systematic patterns of iconicity in the English lexicon in comparison to other languages. Paper presented as part of the virtual workshop 'Iconicity in language: Theoretical issues and future directions,' *UK Cognitive Linguistics Conference 'UKCLC'*. Birmingham, UK, July 2020.
- Bolognesi, M., Strik-Lievers, F., & **Winter, B.** (2020). Linguistic dimensions of abstract concepts. *UK Cognitive Linguistics Conference 'UKCLC'*. Birmingham, UK, July 2020.
- Ford, S., **Winter, B.**, & Littlemore, J. (2019). The figurative visual language of virtual product design: The semiotics of colour and shape in smartphone app icons. *Amsterdam Metaphor Festival*. Amsterdam, Netherlands, August 2019.
- Ćwiek, A., Fuchs, S., Perlman, M., Draxler, C., & **Winter, B.** (2019). Comprehension of non-linguistic vocalizations across cultures. Workshop on Iconicity in Language, at the *41st Annual Conference of the German Linguistic Society*. Bremen, Germany, March 2019.
- Sobrinho, P., & **Winter, B.** (2019). Using sound symbolism to trigger multisensory associations in advertising: The case of softer soju. *The 12th International Symposium on Iconicity in Language and Literature (ILL-12)*. Lund, Sweden, May 2019.
- Woodin, G., **Winter, B.**, & Littlemore, J. (2019). Degrees of metaphoricity: a large-scale, quantitative analysis of iconic gestures in the TV News Archive. *The 12th International Symposium on Iconicity in Language and Literature (ILL-12)*. Lund, Sweden, May 2019.
- Ćwiek, A., Draxler, C., Fuchs, S., Kawahara, S., **Winter, B.**, & Perlman, M. (2019). Comprehension of iconic visualizations across languages and cultures. *The 12th International Symposium on Iconicity in Language and Literature (ILL-12)*. Lund, Sweden, May 2019.
- Ćwiek, A., Draxler, C., Fuchs, S., **Winter, B.**, & Perlman, M. (2019). Comprehension of iconic vocalizations across diverse cultures. *The 3rd International Convention for Psychological Science 'ICPS'*. Paris, March 2019.
- Woodin, G., & **Winter, B.** (2018). Placing abstract concepts in space: quantity, time and emotional valence. *Spatial Cognition 2018*. Tübingen, September 2018.

- Ford, S., Pérez-Sobrino, P., & **Winter, B.** (2018). "Surf on 4-inch stilettos": Multimodal metaphor and metonymy in mobile phone advertising. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.
- Fritsche, S., & **Winter, B.** (2018). Metaphors and metonymies for addiction: A corpus-based analysis of alcoholism recovery and relapse. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.
- Winter, B.**, & Srinivasan, M. (2018). Is metaphorical asymmetry actually based on concreteness? The role of word frequency. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.
- Woodin, G., & **Winter, B.** (2018). The continuity of metaphor? Horizontal and vertical metaphors in the spatialization of time, quantity and valence. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.
- Brown, L., & **Winter, B.** (2017). "Doing Deference" through Nonverbal Behavior in Korean. *15th International Pragmatics Conference 'IPrA'*. Belfast, Ireland, July 2017.
- Winter, B.** (2017). The continuity of the senses: Using modality norms to study perceptual language. *The 14th International Cognitive Linguistics Conference 'ICLC'*. Tartu, Estonia, July 2017.
- Strik-Lievers, F., & **Winter, B.** (2017). Sensory language across lexical categories. *The 14th International Cognitive Linguistics Conference 'ICLC'*. Tartu, Estonia, July 2017.
- Winter, B.** (2017). English taste and smell adjectives as generalized emotional vocabulary. *9th International Corpus Linguistics Conference*. Birmingham, UK, July 2017.
- Winter, B.** (2017). Using taste and smell words to perform evaluation across domains. *Researching and Applying Metaphor 6th Specialized Seminar: Ecological Cognition and Metaphor*. Odense, Denmark, May 2017.
- Winter, B.** (2017). Synesthetic metaphors are neither synesthetic nor metaphorical. *3rd Symposium on Figurative Thought and Language 'FTL3'*. Osijek, Croatia, April 2017.
- Winter, B.** (2017). 'r' is for rough: Relative and absolute iconicity for touch concepts in English. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.**, Perlman, M., Perry, L. & Lupyan, G. (2017). Which words are the most iconic? Characterizing the distribution of iconicity in English. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.**, & Hassemer, J. (2017). Profiling iconicity: Selective depiction in height and shape gestures. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.**, & Hassemer, J. (2017). Profiling iconicity: Producing and perceiving height and shape gestures. *iGesto '17 International Conference on Gesture and Multimodality*. Porto, Portugal, February 2017.
- Winter, B.** (2016). The structure of multimodality: A new look at the synesthetic metaphor hierarchy. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Berlin, German, July 2016.
- Masterson, A., **Winter, B.**, & Matlock, M. (2016a). Spatial metaphors underlie gesture in musical conducting. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Berlin, Germany, July 2016.
- Masterson, A., **Winter, B.**, & Matlock, M. (2016b). Spatial metaphors in conducting gestures. *7th Conference of the International Society for Gesture Studies 'ISGS'*. Paris, France, July 2016.
- Hassemer, J., & **Winter, B.** (2016). Height and shape gestures: Profiling different surface areas in competing gesture interpretations. *7th Conference of the International Society for Gesture Studies 'ISGS'*. Paris, France, July 2016.

- Winter, B.**, Perry, L., Perlman, M., & Lupyan, G. (2016). The structure of iconicity in the English lexicon. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Perry, L. K., Perlman, M., Lupyan, G., **Winter, B.**, & Massaro, D. W. (2016). Early learned words are more iconic. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Ardell, D. H., Anderson, N. M., & **Winter, B.** (2016). Noise in phonology affects encoding strategies in morphology. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Janssen, R., Roberts, S., Dediu, D., Moisik, S. R., & **Winter, B.** (2016). Nonlinear biases in articulation constrain the design space of language. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Wedel, A., & **Winter, B.** (2016). Languages prefer robust phonemes. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Perry, L. K., Perlman, M., **Winter, B.**, Lupyan, G., & Massaro, D.W. (2016). Early-learned words sound like what they mean. *International Conference on Infant Studies*. New Orleans, LA, USA, May 2016.
- Winter, B.**, Perlman, M., & Matlock, T. (2015). Gesture space corresponds to mental number space: Evidence from "tiny" and "low" numbers. *6th International Conference on Spatial Cognition*. Rome, Italy, September 2015.
- Idemaru, J., **Winter, B.**, & Brown, L. (2015). The role of pitch in perceiving politeness in Korean. *18th International Congress of Phonetic Sciences 'ICPhS'*. Glasgow, UK, August 2015.
- Winter, B.**, & Wedel, A. (2015). Simulating the interaction of functional pressures, redundancy and category variation in phonetic systems. *18th International Congress of Phonetic Sciences 'ICPhS': Satellite meeting "The evolution of phonetic capabilities: Causes, constraints and consequences."* Glasgow, UK, August 2015.
- Kettig, B., & **Winter, B.** (2015). Production and perception asymmetries in the Canadian vowel shift. *6th Tutorial and Research Workshop on Experimental Linguistics*. Athens, Greece, June 2015.
- Brown, L., **Winter, B.**, Idemaru, K., & Grawunder, S. (2015). The sound of honorific language: How speech indexes social meaning in Korean, Japanese, German and Russian. *14th International Pragmatics Conference*. Antwerp, Belgium, July 2015.
- Baumann, S., & **Winter, B.** (2015). Comparing prosodic and non-prosodic factors in naïve listeners' prominence judgments. *Phonetics and Phonology in Europe*. Cambridge, UK, June 2015.
- Winter, B.**, Ardell, D., & Urban, M. (2014). Polysemy, language use and directionality in semantic change. *12th Conceptual Structure, Discourse, and Language Conference*. Santa Barbara, CA, USA, November 2014.
- Daguna, J., & **Winter, B.** (2014). Metaphor & social distance: The conceptual structure of courtroom design. *12th Conceptual Structure, Discourse, and Language Conference*. Santa Barbara, CA, USA, November 2014.
- Matlock, T., & **Winter, B.** (2014). Space in primary metaphors. Satellite workshop "Metaphor: From embodied cognition to discourse." *10th International Conference on Researching and Applying Metaphor*. Cagliari, Italy, June 2014.
- Winter, B.** (2014). Horror movies and the cognitive ecology of primary metaphors. *10th International Conference on Researching and Applying Metaphor*. Cagliari, Italy, June 2014.
- Winter, B.**, Daguna, J., & Matlock, T. (2014). How embodied metaphors of social distance may affect courtroom decisions. *7th Embodied and Situated Language Processing Conference*. Rotterdam, Netherlands, August 2014.

- Winter, B.,** Perlman, M., & Matlock, T. (2014). Tiny numbers are actually tiny: Precision grips map onto implied quantity. *6th Conference of the International Society for Gesture Studies*. San Diego, CA, USA, July 2014.
- Winter, B.,** Thompson, G., & Urban, M. (2014). Cognitive factors motivating the evolution of word meanings: Evidence from corpora, behavioral data and encyclopedic network structure. *10th International Conference on the Evolution of Language 'Evolang'*. Vienna, Austria, April 2014.
- Winter, B.** (2014). Neutral spaces and the evolvability of spoken language. *10th International Conference on the Evolution of Language 'Evolang': Satellite workshop on evolution of signals, speech and signs*. Vienna, Austria, April 2014.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.
- Winter, B.,** Perlman, M., & Matlock, T. (2013). How do people talk and gesture about numbers?: Evidence from TV News Casts. *6th Embodied and Situated Language Processing Conference 'ESLP'*. Potsdam, Germany, August 2013.
- Coe, C., & **Winter, B.** (2013). ARGUMENT IS WAR metaphors in current politics. *12th International Cognitive Linguistics Conference 'ICLC'*. Edmonton, Canada, July 2013.
- Winter, B.,** & Matlock, T. (2013). Testing SIMILARITY IS PROXIMITY in realistic reasoning situations. *12th International Cognitive Linguistics Conference 'ICLC'*. Edmonton, Canada, July 2013.
- Bentz, C., & **Winter, B.** (2012). The impact of L2 speakers on the evolution of case marking. *9th International Conference on the Evolution of Language 'Evolang'*. Kyoto, Japan, March 2012.
- Winter, B.,** & Christiansen, M. (2012). Robustness as a design feature of speech communication. *9th International Conference on the Evolution of Language 'Evolang'*. Kyoto, Japan, March 2012.
- Winter, B.,** & Matlock, T. (2012). More is bigger: Physical size in mental arithmetic. *11th Conceptual Structure, Discourse, and Language Conference 'CSDL'*. Vancouver, Canada, May 2012.
- Aralova, N., Grawunder, S., & **Winter, B.** (2011). The acoustic correlates of tongue root vowel harmony in Even (Tungusic). *17th International Congress of Phonetic Science 'ICPhS'*. Hong Kong, August 2011.
- Grawunder, S., **Winter, B.,** & Atoyebi, J. (2011). Voicing of labiovelar stops in Yoruba. *17th International Congress of Phonetic Science 'ICPhS'*. Hong Kong, August 2011.
- Röttger, T., **Winter, B.,** & Grawunder, S. (2011). The robustness of incomplete neutralization in German. *17th International Congress of Phonetic Science 'ICPhS'*. Hong Kong, August 2011.
- Winter, B.** (2011). Pseudoreplication in phonetic research. *17th International Congress of Phonetic Science 'ICPhS'*. Hong Kong, August 2011.
- Huette, S., **Winter, B.,** Matlock, T., & Spivey, M. J. (2011). Spatiotemporal fixation differences on a blank screen during aspect comprehension. *CUNY Conference on Human Sentence Processing*. Stanford, CA, USA, March 2011.
- Grama, J., & **Winter, B.** (2010). The duality of a homosexual epithet in sports. *The Annual Language, Linguistics and Literature Graduate Student Conference*. University of Hawai'i at Manoa, Honolulu, HI, USA, April 2010.
- Winter, B.** (2010). The moving target argument and the speed of evolution. *8th International Conference on the Evolution of Language 'Evolang'*. Utrecht, Netherlands, April 2010.
- Winter, B.,** & Grawunder, S. (2010). The frequency code revisited: Are the universalist claims substantiated? *Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics, Conference on Phonetic Universals*. Leipzig, Germany, October 2010.



- Winter, B., & Grawunder, S. (2009).** The polite voice in Korean: Searching for acoustic correlates of *contaymal* and *panmal*. *19th Japanese/Korean linguistics conference*. Honolulu, HI, USA, November 2009.
- Winter, B., & Grawunder, S. (2009).** The physics of politeness: Approaching Korean politeness from a phonetic perspective. *24th Conference of the Association for Korean Studies in Europe*. Leiden, Netherlands, June 2009.
- Winter, B., & Grawunder, S. (2009).** The physics of politeness: Approaching Korean politeness from a phonetic perspective. *31. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*. Osnabrück, Germany, March 2009.

### **Invited lectures, symposium, or colloquium talks**

- Northumbria University, Dept. of Psychology**  
There is nothing arbitrary about the linguistic sign 2023
- Nagoya University, Dept. of English Linguistics**  
There is nothing arbitrary about the linguistic sign 2023
- University of Bologna, Dept. of Modern Languages, Literatures, and Cultures**  
There is nothing arbitrary about the linguistic sign 2023  
<https://www.youtube.com/watch?v=OI0YPGHQhvs>
- University of Birmingham, Psycholinguistics Lab Meeting**  
There is nothing arbitrary about the linguistic sign 2022
- University of Tartu, Institute of Estonian and General Linguistics**  
Iconicity, not arbitrariness, is a design feature of language 2022
- Language and Technology Data Analysis Laboratory Webinar Series, University of Queensland**  
Bayesian generalized linear mixed models with brms 2022  
<https://www.youtube.com/watch?v=UwlgWD5pWzQ>
- University of Birmingham, Institute for Advanced Studies workshop on 'Multimodal communication, iconicity, and metaphor'**  
Natural born communicators: Multimodality at the core of language 2022
- Lund University, Center for Languages and Literature, Cognitive Semiotics Seminar Series**  
There is nothing arbitrary about the linguistic sign 2022
- Oxford University, International Multimodal Communication Centre**  
Iconic gestures, and their role in communicating size, number, and time 2022
- University of Bologna, Knowledge & Cognition Center Webinar Series**  
Methodological revolutions in linguistics and the quest for claims that generalize 2022  
<https://www.youtube.com/watch?v=xXvcN1MFnTY>
- University School for Advanced Studies (IUSS), Pavia, Linguistics at IUSS' talk series**  
Iconicity, not arbitrariness, is a design feature of language 2022
- Leiden University, Leiden Institute for Brain and Cognition**  
Iconicity, not arbitrariness, is a design feature of language 2022
- University of Birmingham, BlueBEAR high-performance computing group**  
The R programming language: History, community, the tidyverse, and pedagogy 2022
- University of Chicago, Department of Linguistics**  
Iconicity is more widespread than you think 2022
- 'IcoSem' iconicity virtual seminar series**  
What we can learn from bird field guides about onomatopoeia 2021
- University of California, Merced, 'Mind, Technology and Society' Lecture Series**  
Iconicity, not arbitrariness, is a design feature of language 2021

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| <b>University of Tübingen, Dept. of Psychology, Modal and Amodal Cognition Colloquium</b><br>Abstract concepts: do they have to be grounded?   | 2021 |
| <b>University of Leeds, Linguistics and Phonetics</b><br>Statistics in linguistics and phonetics: Thoughts on independence and generalizability  | 2021 |
| <b>University College London, Speech Science Forum</b><br>Statistics in linguistics and phonetics: Thoughts on independence and generalizability   | 2021 |
| <b>University of Cologne, Center for Language Sciences Lecture Series</b><br>Statistics in linguistics: thoughts on recurrent issues and pedagogy  | 2021 |
| <b>Sapienza University of Rome, Dept. of Dynamic and Clinical Psychology, and Health Studies</b><br>Making numbers meaningful: A multimodal approach to numerical communication<br><a href="https://www.youtube.com/watch?v=5XgLu6PnloQ">https://www.youtube.com/watch?v=5XgLu6PnloQ</a> | 2021 |
| Iconicity, not arbitrariness, is a design feature of language<br><a href="https://www.youtube.com/watch?v=OI0YPGHQhvs">https://www.youtube.com/watch?v=OI0YPGHQhvs</a>   | 2021 |
| <b>University of Erlangen, Friedrich-Alexander-Universität Erlangen-Nürnberg</b><br>Statistics in linguistics: thoughts on recurrent issues and pedagogy   | 2021 |
| <b>Centre for Mathematical Cognition, Loughborough University</b><br>Spatial-numerical thought revealed through gesture and graphs   | 2021 |
| <b>Queen Mary University of London, School of Electronic Engineering and Computer Science</b><br>A cognitive linguistic perspective on sound descriptions and timbre   | 2021 |
| <b>University College London, Dept. of Psychology, Language and Cognition seminar series</b><br>Spatial-numerical thought: revealed through language, gesture, and graphs  | 2021 |
| <b>Glasgow University, School of Psychology</b><br>Where is iconicity, and why isn't there more of it?   | 2020 |
| <b>Bangor University, School of Languages, Literatures, Linguistics &amp; Media</b><br>Language and the senses: The tasty smelly side of language  | 2020 |
| <b>Tilburg University, Department of Communication and Cognition</b><br>Where is iconicity, and why isn't there more of it?  | 2020 |
| <b>University of Birmingham, 'UoB Enlightened'</b><br>How gesture changes minds  | 2020 |
| <b>Hanyang University, Department of English Language &amp; Literature</b><br>Nonverbal politeness in Korean: Evidence from speech and gesture   | 2018 |
| <b>University College London, Language and Cognition group</b><br>Where is iconicity? And why isn't there more of it?  | 2018 |
| <b>Leibniz-Zentrum Allgemeine Sprachwissenschaft (ZAS Berlin)</b><br>Where is iconicity? And why isn't there more of it?   | 2018 |
| <b>University of Erfurt, Anglistische Sprachwissenschaft</b><br>Language and the senses: Rethinking synesthetic metaphors  | 2017 |
| <b>University of Warwick, Department of Psychology</b><br>How arbitrary is English?  | 2017 |
| <b>Aston University, School of Language and Social Sciences</b><br>How arbitrary is English?   | 2017 |
| <b>University of Birmingham, Dept. of English Language and Applied Linguistics</b><br>How arbitrary is English?  | 2017 |
| <b>University of Manchester, Dept. of Linguistics and English Language</b><br>The tasty smelly side of language: A quantitative study of English sensory adjectives  | 2016 |
| <b>Konkuk University, Dept. of English Language &amp; Literature</b>   |      |

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| Language-induced mental simulation: Distance, grammar, and the senses                             | 2016 |
| <b>University of York, Dept. of Language and Linguistics Science</b>                              |      |
| The tasty smelly side of language: A quantitative study of English sensory adjectives             | 2016 |
| <b>Northumbria University, Dept. of Humanities Linguistics</b>                                    |      |
| The tasty smelly side of language: A quantitative study of English sensory adjectives             | 2016 |
| <b>Lancaster University, Dept. of Linguistics and English Language</b>                            |      |
| The tasty smelly side of language: A quantitative study of English sensory adjectives             | 2016 |
| <b>University of Cologne, Institute of Phonetics</b>  |      |
| Sensory dynamics of the English lexicon   | 2015 |
| <b>Center for Language Studies, Nijmegen</b>  |      |
| Sensory structure of the English lexicon  | 2015 |
| <b>University of Zurich, Zurich Center for Linguistics</b>  |      |
| Sensory structure of the English lexicon  | 2015 |
| <b>University of Edinburgh, Language Evolution and Computation Research Unit</b>                  |      |
| Patterns of polysemy: A quantitative study of the evolution of word meaning                       | 2015 |
| <b>Stanford University, Department of Linguistics</b>   |      |
| Narrowing the gap between theory and design for phonetic experiments                              | 2015 |
| <b>University of Oregon, East Asian Studies &amp; Literatures</b>                                 |      |
| Linguistic politeness in Korean: Phonetics and multimodality                                      | 2014 |
| <b>Vrije Universiteit Brussel, Artificial Intelligence Lab</b>                                    |      |
| Lexical structure reflects conceptual structure   | 2014 |
| <b>University of Cologne, Cologne Center of Language Sciences (co-presented with Doris Mücke)</b> |      |
| Dynamic structuring in language and communication: The many meanings of dynamic                   | 2014 |
| <b>University of California, Berkeley, CogNetwork Colloquium Series</b>                           |      |
| Metaphor and math: Talking, gesturing and thinking about numbers in terms of space                | 2014 |
| <b>University of California, Berkeley, Phorum Colloquium Series</b>                               |      |
| Categorical perception is not that categorical  | 2013 |
| <b>University of Arizona, Dept. of Linguistics</b>  |      |
| Categorical perception is not that categorical  | 2013 |
| <b>RWTH Aachen University, HumTec, Natural Media and Engineering Group</b>                        |      |
| Recent experimental approaches to conceptual metaphor theory                                      | 2012 |
| Recent topics in simulation semantics   | 2011 |
| <b>Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics</b>                   |      |
| Languages with many second language speakers tend to have reduced case systems                    | 2012 |
| <b>University of Cologne, Dept. of General Linguistics</b>  |      |
| Languages with many second language speakers tend to have reduced case systems                    | 2012 |
| <b>Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics</b>                   |      |
| Voicing of labiovelar /gb/ and /kp/ in Yoruba ( <a href="#">poster presentation</a> )             | 2011 |
| The phonetic profile of Korean politeness   | 2010 |
| Robustness as a design feature of language  | 2010 |
| <b>University of Cologne, Institute of Phonetics</b>  |      |
| Robustness as a design principle of phonetic systems  | 2012 |
| The nature of incomplete neutralization in German   | 2011 |

#### **Peer-reviewed conference posters**

- Muynck, G., Borghi, A., Villani, C., Lugli, L., & **Winter, B.** (2024). Do hand gestures interact with random number generation? *AIP Sperimentale*, Noto, Italy, September 2024.
- Winter, B.**, Woodin, G., & Lorson, A. (2024). Rounding and magnitude: Pragmatic halos are bigger for larger numbers. *Annual Cognitive Science Conference*, Rotterdam, Netherlands, July 2024.
- Macuch Silva, V., Woodin, G., Lorson, A., & **Winter, B.** (2024). Goal bias in using spatial language to describe changing quantities. *Annual Cognitive Science Conference*, Rotterdam, Netherlands, July 2024.
- Woodin, B., & **Winter, B.** (2024). Numbers in context: Cardinals, ordinals, and nominals. *Annual Cognitive Science Conference*, Rotterdam, Netherlands, July 2024.
- Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Gesture can influence what number you have in mind. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'*. Loughborough, UK, June 2023.
- Macuch Silva, V., Lorson, A., & **Winter, B.** (2023). Strategic use of quantifiers in reporting statistics. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'*. Loughborough, UK, June 2023.
- Winter, B.**, Fischer, M. H., Scheepers, C., & Myachykov, A. (2023). More is better: Language statistics reveal a bias towards addition. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'*. Loughborough, UK, June 2023.
- Paxton, A., Brown, L., & **Winter, B.** (2018). Complex coordination: How power dynamics and task demands shape interpersonal motor synchrony. *40th Annual Cognitive Science Society Meeting*. Madison, Wisconsin, July 2018.
- Winter, B.**, & Sóskuthy, M., & Perlman, M. (2017). R is for rough: Iconicity in English and Hungarian surface descriptors. *Types of iconicity in language use, development, and processing*. MPI Nijmegen, Netherlands, July 2017.
- Winter, B.**, & Sóskuthy, M., & Perlman, M. (2017). R is for rough: Sound symbolism for English touch concepts. *Second Phonetics and Phonology in Europe*. Cologne, Germany, June 2017.
- Idemaru, K., **Winter, B.**, Brown, L. & Oh, G. (2017). Loudness trumps pitch in politeness judgments: Evidence from Korean. *173rd Meeting of the Acoustical Society of America*. Boston, MA, June 2017.
- Perry, L., Perlman, M., **Winter, B.**, Lupyan, G., & Massaro, D. (2016). The role of iconicity in child-directed speech. *Boston University Conference on Language Development*. Boston, MA, November, 2016.
- Winter, B.**, & Ardell, D. (2016). Rethinking Zipf's frequency-meaning relationship: Implications for the evolution of word meaning. *11th International Conference on the Evolution of Language 'Evolang'*. New Orleans, LA, USA, March 2016.
- Winter, B.** (2015). The other N: The role of repetitions and items in the design of phonetic experiments. *Proceedings of the 18th International Congress of Phonetic Sciences 'ICPhS'*. Glasgow, UK, August 2015.
- Winter, B.**, Perlman, M., & Matlock, T. (2015). "Tiny" and "low" numbers: Gestures in the TV News reflect mental number space. *37th Annual Cognitive Science Society Meeting*. Pasadena, CA, USA, July 2015.
- Coe, C., **Winter, B.**, & Matlock, T. (2014). How sticks and stones metaphorically break bones in presidential elections. *7th Embodied and Situated Language Processing Conference 'ESLP'*. Rotterdam, Netherlands, August 2014.
- Matlock, T., Bergmann, T., Banks, C., Perlman, M., & **Winter, B.** (2014). The TV News Archive: An innovative new tool for gesture research. *6th Conference of the International Society for Gesture Studies 'ISGS'*. San Diego, CA, USA, July 2014.

- Winter, B.** (2014). Speech is characterized by robustness, neutrality and evolvability. *10th International Conference on the Evolution of Language 'Evolang'*. Vienna, Austria, April 2014.
- Winter, B.,** Thompson, G., & Urban, M. (2014). Synchronic reflections of the evolution of word meanings. *Nijmegen Lecture Series poster session*. Nijmegen, Netherlands, January 2014.
- Coe, C., & **Winter, B.,** Munroe, N., & Matlock, T. (2013). ARGUMENT IS WAR metaphors in current politics. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *35th Annual Conference of the Cognitive Science Society*. Berlin, Germany, August 2008.
- Winter, B.,** Brown, L., Idemaru, K., & Grawunder, S. (2013). Perceiving politeness from speech acoustics alone: A cross-linguistic study on Korean and English. *166th Meeting of the Acoustical Society of America*. San Francisco, CA, USA, December 2013.
- Winter, B.** & Matlock, T. (2013). More is up... and right: Random number generation along two axes. *35th Annual Conference of the Cognitive Science Society*. Berlin, Germany, August 2008.
- Röttger, T., **Winter, B.,** Kirby, J., & Grice, M. (2012). Incomplete neutralization – a cognitive artifact of lexical co-activation? *The 13th Conference on Laboratory Phonology 'LabPhon 13'*. Stuttgart, Germany, July 2012.
- Grawunder, S., & **Winter, B.** (2010). Acoustic correlates of politeness: prosodic and voice quality measures in polite and informal speech of Korean and German speakers. *Speech Prosody*. Chicago, IL, USA, May 2010.
- Huette, S., **Winter, B.,** Matlock, T., & Spivey, M. J. (2010). The time course of perceptual simulation in the comprehension of aspect. *CSDL / ESLP*. San Diego, CA, USA, September 2010.
- Winter, B.,** & Grawunder, S. (2010). Finale Dehnung und Verzögerungssignale in koreanischen Höflichkeitsregistern. *P&P Phonetik und Phonologie*. Frankfurt, Germany, October 2010.
- Winter, B.,** & Bergen, B. (2010). Simulation of visual and auditory distance in sentence processing. *CUNY 2010, Conference on Human Sentence Processing*. New York, USA, March 2010.
- Winter, B.,** & Bergen, B. (2009). Language-driven mental simulation of distance. *15th Annual Conference on Architectures and Mechanisms for Language Processing*. Barcelona, Spain, September 2009.

## Early Career Researcher-focused talks

### STaPs Sprachwissenschaftliche Tagung für Promotionsstudierende

The Bayesian revolution in linguistics: Why and how?

March 2022

### Hong Kong Polytechnic University, Postgraduate Research Symposium

An introduction to statistical modelling and linear mixed effects models with R

June 2021

### The 4th Białystok-Kyiv Conference on Theoretical and Applied Linguistics

How to get published

December 2021

### 27th Annual Korea TESOL International Conference, Sookmyung Women's University, Seoul

How to publish your research

October 2019

## Impact and outreach events / events not exclusively academic

### The International Association of Synaesthetes, Artists, and Scientists

Language and the senses

Nov 2023

### Birmingham Artificial Intelligence "brum.ai" Network



|   |            |
|---|------------|
| Communication in data science                       | April 2022 |
| Panelists: Jelena Ilic (British Telecommunications) |            |
| Patrice Hazam (Meta)                                |            |
| Gabriel Griffin-Booth (National Grid)               |            |

### **Digital Natives, Birmingham, UK**

|  |          |
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| What cognitive science can teach us about communicating data | May 2021 |
|--|----------|

### **University of Northern Colorado, Frontiers of Science Institute Seminar**

|                                  |            |
|----------------------------------|------------|
| Language, evolution, and numbers | April 2021 |
|----------------------------------|------------|

### **R-Ladies Coventry**

|                                    |      |
|------------------------------------|------|
| Bayesian Generalized Linear Models | 2023 |
|------------------------------------|------|

|   |      |
|---|------|
| Introduction to data wrangling with the tidyverse | 2021 |
|---|------|

<https://www.youtube.com/watch?v=hq1BxHRuS3o>

### **Birmingham R User Group Meetup**

|                            |      |
|----------------------------|------|
| Intro to multilevel models | 2021 |
|----------------------------|------|

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| Intro to linear models and generalized linear models | 2020 |
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| What linguists do with R | 2019 |
|--------------------------|------|

### **University of Birmingham, Out in STEM 'oSTEM' conference**

|                                  |      |
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| The STEMification of linguistics | 2019 |
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### **Panel member**

#### **International Cognitive Linguistics Association (ICLA), Panel on Publishing**

|   |             |
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| How to publish in a top journal, with Sally Rice, Sherman Wilcox, and Susanne Flach | August 2023 |
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<https://www.youtube.com/watch?v=5QLp-T74rbA>

#### **International Cognitive Linguistics Association (ICLA), Panel on Publishing**

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|---|-----------|
| How to publish in a top journal, with Dagmar Divjak | July 2021 |
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<https://www.youtube.com/watch?v=5QLp-T74rbA>

#### **Organizing virtual conferences (organized by Susan Nacey)**

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| <a href="https://www.youtube.com/watch?v=r6xlxe5EyKU">https://www.youtube.com/watch?v=r6xlxe5EyKU</a> | September 2020 |
|---|----------------|

#### **The 27<sup>th</sup> Korea TESOL International Conference, Sookmyung Women's University, Korea**

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|---|--------------|
| Tips for doing research and writing a graduate thesis or dissertation | October 2019 |
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### **Statistics and R workshops**

#### **University of Konstanz, Linguistics Department**

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| Data visualization in ggplot2 for linguists (4 hour digital workshop) | 2023 |
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#### **Goethe University Frankfurt, DFG Priority Programme 2392**

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|---|------|
| Bayesian statistical modeling with R (3 days, physical) | 2023 |
|---|------|

#### **University of Nottingham, Centre for Research in Applied Linguistics**

|  |      |
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| Statistical modeling with R (3 days, physical) | 2023 |
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#### **University of Exeter, Dept. of Psychology**

|  |      |
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| Statistical modeling with R (3 days, physical) | 2023 |
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#### **University of Cologne, Center for Prominence in Language (Sonderforschungsbereich)**

|  |      |
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| Introduction to Bayesian statistical models (2 days, physical) | 2023 |
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| Generalized linear mixed models with brms (4 days, physical) | 2022 |
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| Linear mixed models, R programming, tidyverse, cluster analysis (6 half-days, physical) | 2019 |
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| Linear models, mixed models, Bayesian statistics, random forests (4 half-days, physical) | 2018 |
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| Introductory statistics and linear models (2 days, physical) | 2017 |
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#### **Methodological Advances in Prosody Research Workshop, Seoul National University, Korea**

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| Reproducible data science with R and Bayesian mixed models (2 days, physical) | 2022 |
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| <b>LOT Winterschool, Vrije Universiteit (VU) Amsterdam</b><br>Data science for linguists (2 hours x 5 days, virtual)  | 2022 |
| <b>Aarhus University, School of Communication and Culture</b><br>Bayesian statistical modeling with brms (2 days, physical)   | 2022 |
| Statistical modeling with R (3 days, virtual)   | 2021 |
| <b>Université Paris Diderot (Paris 7), 7th Paris-Cologne Cologne Collaborative Meeting</b><br>Quantifying and interpreting variability in speech (4 days, physical)           | 2021 |
| <b>University of Tübingen, Dept. of Psychology</b><br>Statistical modeling with R (3 days, virtual)   | 2021 |
| <b>Baltic Summer School of Digital Humanities, Tallinn, Estonia</b><br>Introduction to linear mixed models and Bayesian inference (1 day, physical)                           | 2021 |
| <b>University of Bologna, Dept. of Modern Languages, Literatures, and Cultures</b><br>Introduction to statistical modeling for linguists with R (1 day, virtual)              | 2021 |
| <b>Case Western Reserve University, Department of Cognitive Science</b><br>Statistical modeling with R (2 hours x 5 days, virtual)  | 2021 |
| <b>University of Tromsø, Faculty for Humanities, Social Sciences and Education</b><br>Statistical modeling with R (3 days, virtual)   | 2020 |
| <b>Leiden University</b><br>Generalized linear mixed models (3 days, physical)  | 2019 |
| <b>Paris-Sorbonne University, Institut de Linguistique et Phonétique Générales et Appliquées</b><br>Generalized linear mixed models (2 days, physical)                        | 2019 |
| <b>University of Edinburgh, School of Philosophy, Psychology &amp; Language Sciences</b><br>Generalized linear mixed models (3 days, physical)                                | 2019 |
| Generalized linear mixed models (3 days, physical)  | 2017 |
| <b>University of Erfurt, English and American Studies</b><br>Applied statistics for linguists (5 days, physical)  | 2018 |
| <b>Deafness Cognition and Language Research Centre, University College London</b><br>Applied statistics for linguists (4 days, physical)                                      | 2018 |
| <b>RWTH Aachen University, Institut für Anglistik, Amerikanistik und Romanistik</b><br>Generalized linear mixed models (1 day, physical)                                      | 2017 |
| <b>Newcastle University, School of Education, Communication and Language Sciences</b><br>Generalized linear mixed models (3 days, physical)                                   | 2019 |
| Generalized linear mixed models (3 days, physical)  | 2017 |
| <b>University of Plymouth, Dept. of Psychology</b><br>Generalized linear mixed models (3 days, physical)  | 2017 |
| <b>University of Stuttgart, Expsy Group (Experimental Psycholinguistics Group) of SFB 732</b><br>Data munging with R (3 days)   | 2017 |
| Generalized linear mixed models for linguists (3 days)  | 2016 |
| <b>Annual Meeting of the Linguistic Society of America Institute, Washington D.C.</b><br>Statistical methods using R (1 half-day workshop, physical)                          | 2016 |
| <b>University of California, Merced, Cognitive &amp; Information Sciences</b><br>Linear models and extensions with R (3 days, physical)                                       | 2016 |
| Linear models and extensions with R (3 days, physical)  | 2015 |
| <b>Linguistic Society of America Institute, Summer school, Chicago</b><br>The data gold rush: Exploiting freely available web data for linguistic research (5 days, physical) | 2015 |
| <b>RWTH Aachen University, Institut für Anglistik, Amerikanistik und Romanistik</b><br>Regression modeling for linguists (3 days, physical)                                   | 2014 |

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| <b>Vrije Universiteit Brussel, Artificial Intelligence Lab</b>                        |                  |
| Linear models and mixed models (2 days, physical)                                     | 2014             |
| <b>University of Cologne, Institut für deutsche Sprache und Literatur</b>             |                  |
| Generalized Linear Mixed Models for Linguists (3 days, physical)                      | 2013             |
| <b>University of Arizona, Dept. of Linguistics</b>                                    |                  |
| Generalized linear mixed models for linguists (3 days, physical)                      | 2013             |
| Generalized linear mixed models for linguists (2 days, physical)                      | 2016             |
| <b>Aarhus University, Dept. of Aesthetics and Communication</b>                       |                  |
| Generalized linear mixed models (3 days, physical)                                    | 2013             |
| <b>University of Cologne, Institute of Phonetics</b>                                  |                  |
| Generalized linear mixed models for phoneticians (3 days, physical)                   | 2012             |
| Data mining experimental and corpus data (3 days, physical)                           | 2014             |
| Dynamical systems and statistical modeling of trajectories (3 days, physical)         | 2014             |
| <b>University teaching</b>  |                  |
| <b>Princeton University, Dept. of Psychology</b>                                      |                  |
| Statistical modeling with R (3 hours x 6 weeks, virtual)                              | 2022             |
| <b>University of Birmingham, Dept. of English Language and Applied Linguistics</b>    |                  |
| Birmingham distance learning summer school, Birmingham (2 hours, physical)            | 2017-2023        |
| Birmingham corpus linguistics summer school, Birmingham (2-4 hours, physical/virtual) | 2017-2023        |
| Birmingham statistics for linguists summer school (five-day event, physical)          | 2018, 2019, 2022 |
| Analyzing and visualizing quantitative linguistic data (UG, physical)                 | 2020             |
| Psycholinguistics (MA distance-learning materials)                                    | 2019             |
| Semantics & pragmatics (UG, physical)   | 2019             |
| Fundamentals of language: Sounds & words (UG, physical)                               | 2019             |
| Birmingham distance learning summer school, Korea (5 days, physical)                  | 2018             |
| Statistics with R for staff members (5 days, physical)                                | 2017             |
| Lexical semantics (UG, physical)  | 2017, 2018       |
| Language & senses (MA, physical)  | 2017, 2018       |
| Language, senses & sound symbolism (UG, physical)                                     | 2017, 2018       |
| Psycholinguistics (UG, physical)  | 2016             |
| Language & mind (UG, physical)  | 2016, 2019       |
| <b>University of Cologne, Institut für deutsche Sprache und Literatur</b>             |                  |
| Introduction to statistics for linguists (4-day 'Blockseminar', physical)             | 2015             |
| Regression Modeling for Linguists (4-day 'Blockseminar', physical)                    | 2014             |
| Introduction to statistics for linguists (4-day 'Blockseminar', physical)             | 2014             |
| <b>University of California, Merced, Cognitive &amp; Information Sciences</b>         |                  |
| Gesture, instructor of record (UG)  | 2016             |
| Mathematical cognition, instructor of record (UG)                                     | 2014             |
| Metaphor & thought, teaching assistant (UG)   | 2012, 2013       |
| Research methods, teaching assistant (UG)   | 2013             |
| Introduction to language and linguistics, teaching assistant (UG)                     | 2012             |
| Introduction to cognitive science, teaching assistant (UG)                            | 2011             |
| <b>University of Cologne, Dept. of General Linguistics</b>                            |                  |
| Introduction to general linguistics, Teaching assistant                               | 2009             |

## Advising / supervision

### Current PhD students

Nouf Alsaloli

Samantha Ford

AHRC funded

|                |             |
|----------------|-------------|
| Joanne McCuaig |             |
| Dana Roemling  | ESRC funded |
| Freya Watkins  | ESRC funded |
| Ellen Wilding  | ESRC funded |

#### **Graduated PhD students**

|               |                              |
|---------------|------------------------------|
| Maryam Nasser | graduated 2020               |
| Greg Woodin   | graduated 2022 (ESRC funded) |
| Rachel Manley | graduated 2022               |

### **External examiner**

#### **External examiner**

|                   |     |                                 |      |
|-------------------|-----|---------------------------------|------|
| Asha Soto         | PhD | University of Edinburgh         | 2022 |
| Felix Pambuccian  | PhD | University of Illinois, Chicago | 2021 |
| Tomas Engelthaler | PhD | University of Warwick           | 2019 |
| Li Ying           | PhD | University of Warwick           | 2019 |
| Sarah Kelly       | PhD | University of York              | 2018 |
| Li Heng           | PhD | Northumbria University          | 2018 |

#### **External examiner: program award**

University of Essex BA Linguistics with Data Science

### **Advisory board**

#### **Institute for Interdisciplinary Data Science and Artificial Intelligence, UoB**

Strategic advisory board for education (committee prior to commencement of institute)

#### **ERC project ABSTRACTION, University of Bologna**

Advisory board

### **Reviewing and editorial service**

#### **Editorial service**

*Language & Cognition* (Editor-in-Chief 2021-2024), *Language & Cognition* (General Editor 2017-2021), *Journal of Phonetics* (Guest Editor for special issue 'Emerging data analysis in phonetics', co-edited with Timo Roettger and Harald Baayen)

#### **Reviews for book proposals**

*Routledge* (2 X), *Cambridge University Press* (2 X)

#### **Reviews for funding bodies**

DAAD (PRISM post-doc fellowship, December 2019) (2 X); San Francisco State University (Facilitating Research and Creative Activities Program)

**Reviews for journals**

*Behavior Research Methods* (8 times); *Cognitive Science* (6 times); *Journal of Phonetics* (5 times); *PLoS ONE* (5 times); *Cognitive Linguistics* (4 times); *Language & Cognition* (2 times prior to becoming Editor); *Cognition* (2 times); *Psychological Research* (2 times); *Journal of Memory and Language* (2 times); *Journal of the International Phonetic Association* (2 times); *International Journal of Corpus Linguistics* (3 times); *Metaphor & Symbol* (2 times); *Journal of Cognitive Psychology* (2 times); *Language & Speech*; *Cognitive Neuropsychology*; *Philosophical Transactions of the Royal Society B*; *Psychonomic Bulletin & Review*; *Psychological Methods*; *Language Dynamics & Change*; *Acta Linguistica Hungarica*; *Journal of Language Evolution*; *Journal of Experimental Psychology: Learning, Memory and Cognition*; *Discourse, Context & Media*; *Laboratory Phonology*; *International Review of Social Psychology*; *Advances in Methods and Practices in Psychological Science*; *Musica Scientiae*; *Linguistics Vanguard*; *SAGE Open*; *Frontiers in Psychology*; *Philosophical Transactions of the Royal Society: B*; *Studies in Second Language Acquisition*

**Reviews for edited volumes**

John Benjamins, *Dynamism in Metaphor and Beyond*  
MIT Press Open, *Open Handbook of Linguistic Data Management*  
Cambridge University Press, *Metaphor: Embodied Cognition and Discourse*  
Oxford University Press, *Experimental Approaches to the Evolution of Morphological Complexity*

**Reviews for conferences**

*Spatial Cognition 2018*; *Corpus Linguistics 2017*; *Phonetics and Phonology in Europe 2017*; 11<sup>th</sup> *International Conference on the Evolution of Language*; 37<sup>th</sup> *Annual Conference of the Cognitive Science Society*; 36<sup>th</sup> *Annual Conference of the Cognitive Science Society*; 12<sup>th</sup> *Conceptual Structure, Discourse and Language*; 5<sup>th</sup> *Embodied Situated Language Processing*; 10<sup>th</sup> *International Conference on the Evolution of Language*; DGKL 9 (German Cognitive Linguistics Association Conference, 9)