

# Frequency and stability in language evolution

Christine Cuskley, ccuskley@gmail.com, ccuskley.github.io

Protolang6, September 2019

## References

- Ambridge, B., Kidd, E., Rowland, C. F., & Theakston, A. L. (2015). The ubiquity of frequency effects in first language acquisition. *Journal of child language*, 42(2), 239–273.
- Cuskley, C., Colaïori, F., Castellano, C., Loreto, V., Pugliese, M., & Tria, F. (2015). The adoption of linguistic rules in native and non-native speakers: Evidence from a wug task. *Journal of Memory and Language*, 84, 205–223.
- Cuskley, C., Loreto, V., & Kirby, S. (2018). A social approach to rule dynamics using an agent-based model. *Topics in cognitive science*, 10(4), 745–758.
- Cuskley, C. F., Pugliese, M., Castellano, C., Colaïori, F., Loreto, V., & Tria, F. (2014). Internal and external dynamics in language: Evidence from verb regularity in a historical corpus of english. *PloS one*, 9(8), e102882.
- Ellis, N. C. (2002). Frequency effects in language processing: A review with implications for theories of implicit and explicit language acquisition. *Studies in second language acquisition*, 24(2), 143–188.
- Fehér, O., Wonnacott, E., & Smith, K. (2016). Structural priming in artificial languages and the regularisation of unpredictable variation. *Journal of Memory and Language*, 91, 158–180.
- Ferdinand, V., Kirby, S., & Smith, K. (2019). The cognitive roots of regularization in language. *Cognition*, 184, 53–68.
- Jansson, F., Parkvall, M., & Strimling, P. (2015). Modeling the evolution of creoles. *Language Dynamics and Change*, 5(1), 1–51.
- Lieberman, E., Michel, J.-B., Jackson, J., Tang, T., & Nowak, M. A. (2007). Quantifying the evolutionary dynamics of language. *Nature*, 449(7163), 713.
- Loreto, V., & Steels, L. (2007). Social dynamics: Emergence of language. *Nature Physics*, 3(11), 758.
- Morgan, E., & Levy, R. (2016). Frequency-dependent regularization in iterated learning. In S. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Fehér, & T. Verhoef (Eds.), *The evolution of language: Proceedings of the 11th international conference (evolangx11)*. Online at <http://evolang.org/neworleans/papers/193.html>.

- Newberry, M. G., Ahern, C. A., Clark, R., & Plotkin, J. B. (2017). Detecting evolutionary forces in language change. *Nature*, 551(7679), 223.
- Perfors, A. (2012). When do memory limitations lead to regularization? an experimental and computational investigation. *Journal of Memory and Language*, 67(4), 486–506.
- Piantadosi, S. T., Tily, H., & Gibson, E. (2011). Word lengths are optimized for efficient communication. *Proceedings of the National Academy of Sciences*, 108(9), 3526–3529.
- Wu, S., Cotterell, R., & O’Donnell, T. J. (2019). Morphological irregularity correlates with frequency. *arXiv preprint arXiv:1906.11483*.
- Zeng, J., De Vlaming, R., Wu, Y., Robinson, M. R., Lloyd-Jones, L. R., Yengo, L., ... others (2018). Signatures of negative selection in the genetic architecture of human complex traits. *Nature genetics*, 50(5), 746.