Supplementary Material 1

Inter-labeler reliability with the X-JToBI scheme in Sec. III A.

Inter-labeler reliability with the X-JToBI scheme was examined on the basis of a subset of CSJ data labeled by three labelers including the first author (Kikuchi et al., 2003). This study examined inter-labeler reliability using Cohen's Kappa: κ = { *P(O)* - *P(E)* } / { 1 - *P(E)* }, where *P(O)* is the relative observed agreement, and *P(E)* is the hypothetical probability of chance agreement. The results yielded high values; namely for prosodic phrasing (BI), κ = 0.73 (*P(O)* = 0.83, *P(E)* = 0.37); for BPMs, κ = 0.61 (*P(O)* = 0.68, *P(E)* = 0.18), and for pitch accents, κ = 0.61 (*P(O)* and *P(E)* are not reported). The results show that the X-JToBI scheme can be coded reliably across different labelers, and that the first author is a reliable labeler using this scheme.

Reference

Kikuchi, H., Maekawa, K., Igarashi, Y., Yoneyama, K., and Fujimoto, M. (2003). "Phonetic labeling of the Corpus of Spontaneous Japanese," *Journal of the Phonetic Society of Japan* 7(3), 16-26.

Note: This is supplemental material to the following paper. Please refer to it when referring to the information contained in this Supplemental Material.

Igarashi, Y., Nishikawa, K., Tanaka, K., & Mazuka, R. (2013).Phonological theory informs the analysis of intonational exaggeration in Japanese infant-directed speech. The Journal of Acoustical Society of America, 134(2), 1283-1294.