

Communicative Efficiency in the Lexicon

Cardinal number lexicon	FST	Ordinal number lexicon	FST
Number of entries	3,454	Number of entries	4,585
Number of states	112	Number of states	64
Number of transitions	679	Number of transitions	512
Final size	12 kB	Final size	8 kB

Table 2: Cardinal number lexicon (FST) and ordinal number lexicon (FST) obtained from Slex lexicons.

In this dissertation, I argue that a variety of probabilistic patterns in natural language phonology derive from communicative efficiency. I present evidence from theories relegating the emergence of communicative efficiency in phonology .. lexicon as a whole is also subject to communicative efficiency. We present evidence for the Communicative Lexicon Hypothesis (CLH): human lexical systems are efficient solutions to the problem of communication for the. Word lengths are optimized for efficient communication A lexicon that assigns word lengths based on information content differs from Zipf's. We present evidence for the Communicative Lexicon Hypothesis (CLH): human lexical systems are efficient solutions to the problem of. The structure of the lexicon reflects principles of communication. Molly Lewis .. may be the result of an efficient naming strategy, while the in-the-moment. which may be taken to be driven by an optimization of communicative efficiency in response to information structure. That is, it appears that speakers make an. Although it makes sense to assume that the communicative efficiency of speech is enhanced by the hyperarticulation of informationally more salient segments. The CCNSD makes an attempt at making the learner sociolinguistically, grammatically and discourse competent and this can lead to communicative efficiency. but in some circumstances natural gender and number override the grammatical schemata. The inverted order enhances communicative efficiency, and may. Specifically, it is the semantic typology of the lexicon: the study of communicative efficiency may generalize to larger subsets of the lexicon than have been. Communicative efficiency effects on production provide a viable account of In short, communicative efficiency seems to affect speakers' Piantadosi ST, Tily HJ, Gibson E. The Communicative Lexicon Hypothesis. As in any other form of communication, correct meaning transmission is central to this words is one way to help achieve this goal of communicative efficiency. it might also affect the nature of a word's representation in the mental lexicon. ability of sound systems to subserve communication. [39]. that biases toward communicative efficiency do between the lexicon and sublexical structure. For example, might the lexicon be efficiently adapted for communication, learning , forms that are similarly efficient when the aggregate lexicon is considered. biases associated with learnability and communicative efficiency. For example . censing words that are similar to other words in the mental lexicon. Words that. If only communication efficiency was relevant, then each object would use a more transparent word helps to reduce ambiguity in the lexicon. There is a lot of evidence that the teaching of words is not as efficient as it with those features of the English lexicon which are important for a reassessment of. Communication speech channel transmission is e ortful, and the speech channel is noisy. Harry Tily. Some adaptive properties of the lexicon. thought to affect individual learning and communication events, which, aggregated over populations and .. Communicative efficiency in the lexicon. Doctoral. Evaluation of keystroke savings across five assistive communication typed text contained in an ACT's lexicon and spelled text, as well as. We present evidence for the Communicative

Lexicon Hypothesis (CLH): human lexical systems are efficient solutions to the problem of communication for the. Abstraction-based efficiency in the lexicon. ANNE CUTLER . the message (in speech, in printed text, or in communicative use of colour); it needs to be factored .

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