Dissertation prospectus:

Lexical flexibility in discourse

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# Introduction

This dissertation investigates the discourse-functional motivations for lexical flexibility, i.e. the ability for a lexeme (or class of lexemes) to occur in multiple pragmatic functions (reference, predication, or modification, inter alia; Croft 1990) with no overt coding (Hengeveld 1992:65; Croft 2001:66; van Lier 2016:197; van Lier 2017:242). This is frequently discussed as conversion, zero-derivation, or functional shift (Crystal 2008:114); I expand on and clarify this definition in §{{2.3}}. When lexical flexibility is widespread in a language, it is often taken as evidence of flexible word classes, i.e. lexical categories which appear to subsume more than one traditional part of speech (Hengeveld 1992:65; Rijkhoff 2007:715; van Lier & Rijkhoff 2013:1; van Lier 2016 and accompanying articles; van Lier 2017:243; Vapnarsky & Veneziano 2017a).[[1]](#footnote-1) Flexible categories have become a vibrant topic in recent years, prompting discussions on the existence of flexible categories in particular languages (Kinkade 1983; Van Eijk & Hess 1986; Broschart 1997; Sadock 1999; Evans & Osada 2005; Hengeveld & Rijkhoff 2005; Dorvlo 2009; Koch & Matthewson 2009; Floyd 2011; Chafe 2012; Chung 2012), the plausibility of flexible categories in general (Dixon 1982; Don 2004; Croft 2005; Evans & Osada 2005; Luuk 2010; Baker & Croft 2017; Palmer 2017), and detailed descriptive studies of flexible categories and the diversity of their expression across languages (Hengeveld 1992; Holton 1999; Hengeveld, Rijkhoff & Siewierska 2004; van Lier 2006; Luuk 2010; Rijkhoff & van Lier 2013; van Lier 2016; Cauchard 2017; Lichtenberk 2017; Vapnarsky & Veneziano 2017b). However, little attention has been paid to the functional motivations for lexical flexibility (though see Hopper & Thompson 1984, Thompson 1989, and Nakayama 1997). Why, in flexible languages, do speakers make the particular categorial choices they do? If a given lexeme can more-or-less freely alternate between, say, referential and predicative uses, what determines when a speaker uses one function over another? Since any choice between linguistic alternatives provides a means of conveying information, the presence of lexical flexibility in a language is yet another dimension of variation that speakers can manipulate to achieve their manifold discourse goals. How then is lexical flexibility deployed in discourse? This dissertation represents a first attempt to answer this question, summarizing the discourse-functional correlates of lexical flexibility in a small but diverse sample of languages.

This focus on the role of lexical flexibility in discourse diverges from the existing literature in that it aims to understand the functional underpinnings of lexical flexibility rather than debate its existence, the universality of lexical categories, or the existence of a particular lexical category in a language. Instead, I start from the premise that all languages have some lexemes (however few) that exhibit lexical flexibility to varying degrees and perhaps at different levels (root, stem, word, or construction), and that categorical distinctions between lexemes are more strongly and consistently expressed in some languages than others. A discourse-oriented approach is also of special interest because it has the potential to shed light on a recurring question in discussions of lexical flexibility: how much of the semantic shift that occurs when a lexeme changes function can be imputed to the discourse context, and how much to language- and lexeme-specific patterns that must be memorized by the speaker? In this dissertation I aim to assess the extent to which both semantic and pragmatic/discourse properties contribute to the categoriality of lexemes.

This research potentially provides new insights into the emergence of lexical categories, in the sense of morphosyntactic constructions dedicated to specific pragmatic functions. If choice of lexical category in highly flexible languages is shown to be tied to discourse function in a way similar to that outlined by Hopper & Thompson (1984) and Thompson (1989), this suggests that categorical differences in language develop out of the gradual routinization and grammaticization[[2]](#footnote-2) of discourse tendencies. Comparable developments of grammatical categories out of discourse tendencies are attested for other areas of grammar as well, including grammatical relations (Mithun 2012) and bound vs. free pronominal forms (Mithun 2013). Conversely, Nakayama (2002:3, 54, 57) argues that this model also explains the highly flexible nature of lexemes in Nuuchahnulth (Wakashan) as compared to more categorically rigid languages. Lexical categories in Nuuchahnulth are principally discourse tendencies rather than obligatory grammatical conventions, and so the language is flexible in virtue of the fact that it has not undergone this categorical grammaticization process. This dissertation provides support for this model of the emergence of lexical categories by showing the extent to which discourse and information-structural considerations contribute to choice of lexical category.

The specific research questions I ask in this dissertation are as follows:

* Does the extent of lexical flexibility in a language correlate with size of corpus / lexicon? {{Methods Chapter}}
* Do certain semantic domains tend to exhibit a greater degree of lexical flexibility than others? Does the type of semantic shift correlate with a lexeme’s semantic domain? {{Semantic Domain Chapter}}
* Does inherent topicality correlate with degree of lexical flexibility? If so, is this mediated by information structure? Does the type of semantic shift correlate with a lexeme’s inherent topicality? {{Inherent Topicality Chapter}}
* Does the current and/or previous choice of grammatical role for a lexeme correlate with choice of lexical category? Does the type of semantic shift correlate with grammatical role? {{Grammatical Role Chapter}}
* Does information status correlate with choice of lexical category? Does the type of semantic shift correlate with information status? {{Information Status Chapter}}

I discuss my hypotheses and expected results for each of these research questions in my chapter outline below (§{{4}}).

# Background

In this section, I outline at a high level the major approaches adopted by typologists in treating lexical categories generally, and flexible categories more specifically. I then advance the approach that will be adopted in this dissertation.

## Approaches to Lexical Categorization

As is well known, the classical or traditional approach to parts of speech has its origins in the Τέχνη Γραμματική / Tékhnē Grammatiké (‘The Art of Grammar’) of the grammarian Dionysius Thrax in classical antiquity (2nd century B.C.E.). The Tékhnē synthesizes the work of Dionysius’ predecessors, describing eight parts of speech for ancient Greek: noun, verb, participle, article, pronoun, preposition, adverb, and conjunction. These parts of speech were based largely on morphological (especially inflectional) criteria (Rauh 2010:17–20).

The Tékhnē was then translated and its model applied to Latin in the Ars Grammatica of Remnius Palaemon, initiating a tradition wherein the languages of European and eventually the world (see for example McDonald (2013)) were described using both Dionysius’ eight categories (with some variation) and, importantly, his method of identifying those categories on the basis of primarily morphological criteria (Rauh 2010:20). Implicit in the classical approach is the assumption that parts of speech are universal, in the sense of being instantiated in all languages.

The American structuralists in the tradition of Franz Boas questioned this assumption in a programmatic and comprehensive way. Writing on grammatical rather than lexical categories, Boas states, “Grammarians who have studied the languages of Europe and western Asia have developed a system of categories which we are inclined to look for in every language” (Boas 1911:35). He ultimately concludes that this endeavor is a folly, and that “in a discussion of the characteristics of various languages different fundamental categories will be found” (Boas 1911:43). Boas’ student Edward Sapir applies this same language-particular approach to lexical categories: “[N]o logical scheme of the parts of speech—their number, nature, and necessary confines—is of the slightest interest to the linguist. Each language has its own scheme. Everything depends on the formal demarcations which it recognizes.” (Sapir 1921:125). Boas also strongly influenced Leonard Bloomfield, who treated language as a scientific object and, in applying Boasian methods, saw lexical categories as something to be empirically discovered in the different syntactic distributions of words, rather than imposed on a language a priori (Rauh 2010:33).

This structuralist approach to lexical categories, which came to be known as the distributional method (Harris 1951:5), constituted a major advance in the typological study of parts of speech, and essentially became the sole method of syntactic analysis in modern linguistics (Croft 2001:11). While a significant step forward, the distributional method for identifying word classes is however faced with one particularly potent problem: what to do when the distributional criteria for classifying lexemes yield conflicting results, or fail to yield consistent and well-defined categories.

A partial solution to this problem was the recognition, established in a series of studies by Eleanor Rosch (1973a; 1973b; 1975; Rosch & Mervis 1975; Rosch et al. 1976; Rosch 1978) and popularized among linguists by Lakoff (1987) and Taylor (1989 [2003]), that lexical categories are prototypal. Taylor in particular advances the thesis that lexical categories are prototypal, and that members of a category do not necessarily exhibit all the properties associated with that category. This body of research collectively challenged the classical approach to lexical categories based on necessary and sufficient conditions cleanly delineating distinct categories. While linguists were generally quick to accept the existence of gradience and fuzzy boundaries for linguistic categories (Rauh 2010:7), the prototype approach did not really solve the essential problems of lexical categorization, namely, how to identify them, and their crosslinguistic status if any.

Recognizing this difficulty, Croft (2000; 2001:29–47) provides a detailed critique of the distributional method and its implications, and utilizes prototype theory in offering a typologically-oriented theory of lexical categories instead. Whenever distributional criteria conflict or fail to exclusively partition lexemes into distinct categories, he notes, typical practice is that the linguist simply chooses whichever distributional criterion they believe to be the most important, and bases their categorization on that. This practice is what Croft calls methodological opportunism, and it is one replete with problems:

There is no a priori way to decide which of several constructions with mismatching distributions, or which subset of constructions, should be chosen as criteria for identifying the category in question. Why should passivizability be the criterion for defining the Direct Object category? Why shouldn't the criterion be occurrence as the postverbal prepositionless Noun Phrase in the Active construction? The choice of criteria again looks suspiciously like serving a priori theoretical assumptions of the analyst, for example a priori assumptions about what should or should not be a Direct Object. Moreover, if one does choose one construction (or subset of constructions) to define a category, then one still has not accounted for the anomalous distribution pattern of the constructions that have been left out (in this case, occurrence as the postverbal prepositionless Noun Phrase in the Active construction).

Language-internal methodological opportunism […] is unprincipled and ad hoc, and hence is not a rigorous scientific method for discovering the properties of the grammar of a language. (Croft 2001:41)

If one is consistent in the application of the distributional method, states Croft, then one must be prepared to accept a proliferation of minor categories for each language. Ultimately, every construction constitutes its own category, comprising the set of items that may appear in that particular construction. As a result, no language exhibits traditional major categories such as noun, verb, and adjective—only more narrow constructions such as, for example, Tense-Marked Intransitive Verb or Tense-Marked Transitive Verb, which may or may not share the same members.

For Croft, what exists in the grammar of particular languages is sets of constructions related in a taxonomic web rather than lexical categories per se. Parts of speech that approximate traditional categories exist only as crosslinguistic typological markedness tendencies. That is, when the semantic class of an item aligns with its pragmatic function (reference, predication, modification, etc.), that form will be unmarked. However, when an item is used in a non-prototypical manner, such as when an entity-denoting concept is used for predication, that use is structurally and/or behaviorally marked (Croft 2002:87–99). This theory of typological markedness is what “allows us to construct generalizations about categories across constructions” which otherwise do not share the same properties and members (Croft 2001:92). The typologically unmarked combinations of an object being used for reference, a property for modification, and an action for predication form the prototypal core of the categories noun, adjective, and verb respectively (Croft 2001:89).

This dissertation utilizes Croft’s typological markedness approach in exploring lexical flexibility. While the typological tendency is for non-prototypical uses of a lexeme to be structurally or behaviorally marked, lexical flexibility can be viewed instances where non-prototypical uses of a lexeme are not marked in such a way. These cases do not however violate Croft’s markedness tendencies, since the markedness principles are implicational in nature. That is, non-prototypical uses of a lexeme are at least as marked as prototypical ones; this does not preclude the possibility of both uses being equally marked, as in the case of conversion.

One final issue in research on lexical categories is whether they should be thought of as language-specific, and potentially incommensurable and uncomparable across languages, or as instantiations of crosslinguistically valid categories. This issue is hotly debated in the literature, and Croft’s universal-typological approach is just one among many (Croft 2000; Pustet 2000; Croft 2005; Haspelmath 2007; Ramat 2009; Haspelmath 2010; Chung 2012; Croft & van Lier 2012; Haspelmath 2014; Beck 2016; Croft 2016; Rijkhoff 2016; Baker & Croft 2017). I do not aim to speak towards this debate in this dissertation. My focus instead is on comparing the ability that lexemes have to appear in multiple pragmatic functions with no overt coding, across languages. I make no claims as to whether the constructions that these lexemes appear in constitute language-specific or universal categories.

## Approaches to Lexical Flexibility

## Functional Motivations for Lexical Flexibility

# Data & Methods

# Outline

# Timeline

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1. Grammatical (as opposed to lexical), closed-class categories such as demonstratives may also exhibit flexibility (cf. François 2017; Lichtenberk 2017), but this possibility will not be discussed here.

   [↑](#footnote-ref-1)
2. I use the term grammaticization in this dissertation in a somewhat atypical sense, to refer to the process whereby a construction becomes conventionalized and grammatically obligatory, and therefore “part of the grammar” (as opposed to, say, just a discourse tendency). When necessary, the term grammaticalization will be used to distinguish between the above sense of grammaticization, and the standard definition wherein a lexical item becomes a grammatical one (Hopper & Traugott 2003:2). While this choice of terms is admittedly less than ideal, I have yet to find a better term for the notion I am calling grammaticization. [↑](#footnote-ref-2)