

The Book of Abstracts

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Session 1

Beyond Binary Bounds—Classifying Hope in Online Discourse★

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This study uses binary classification algorithms to investigate the detection of "hope speech" in Twitter messages. Hope speech expresses the possibility of positive outcomes in the face of difficulties in an effort that fosters optimism and resilience. We studied the dataset provided to us and used logistic regression, support vector machines, and deep neural networks to distinguish between hopeful and non-hopeful remarks.

As part of the collaborative effort for HOPE at IberLEF 2024, we conducted our study primarily using a Twitter data-set, which guaranteed a comprehensive analysis of context influence and the application of ethical principles. This study aims to improve knowledge of how technology solutions might foster positive online interactions.

Our experiments provided key findings such as a maximum accuracy of 0.72, overall macro average precision and recall of 0.73, and an F1-score of 0.72. These findings demonstrate the effectiveness of the chosen classification algorithms in detecting hope speech in the cluttered and unpredictable environment of Twitter.

This study makes significant contributions to the area by revealing the potential of computational resources to encourage and foster constructive conversation online. Networks that acknowledge and encourage hope speech have the ability to reduce the propagation of negativity while also improving user experience, resulting in a more supportive and resilient online community. Future objectives include further optimizing the algorithms, exploring larger and more diverse datasets, and using real-time analysis to react to changing online interactions.

In conclusion, this research highlights the need to use technology not just for analysis but also to establish an online environment beneficial to a positive outlook in the face of adversity.

The interpretation of underinformative disjunctive sentences in a cross-linguistic perspective

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Disjunctions can have two different readings. Consider a so-called underinformative sentence like the word ‘cane’ has the letter ‘c’ or the letter ‘n’: under an inclusive interpretation (i.e., ‘c’ or ‘n’ and possibly both) this sentence is true, whereas under an exclusive interpretation (i.e., ‘c’ or ‘n’ but not both) it is false. The exclusive reading of disjunction is argued to come about as a scalar implicature (Grice, 1975; Horn, 1972; Levinson, 2000).

We present two studies on disjunction interpretation in a cross-linguistic perspective.

Study 1 employed a Sentence Evaluation Task with 30 English L1, 30 Italian L1, and 31 Italian L2 English speakers. Participants were presented with underinformative disjunctive sentences (e.g. The word ‘lake’ has the letter ‘l’ or the letter ‘k’) and control sentences with true/false conjunctions/disjunctions, and had to evaluate whether they agreed or disagreed with the statement (Chevallier et al., 2008).

Participants performed at the ceiling with conjunctions and false disjunctions and accepted underinformative disjunctions in 77% of the trials. Unexpectedly, they answered ‘Disagree’ to true disjunctions (e.g. The word ‘rate’ has the letter ‘r’ or the letter ‘f’) in 58% of trials (cfr. Chevallier et al., 2010 for similar results). We hypothesise that true disjunctions were judged infelicitous because they violated the assertiveness conditions of disjunction, namely speaker ignorance about the truth of either disjunct (Fox, 2007).

Study 2 is designed to empirically assess this hypothesis. We will manipulate the speaker’s epistemic state with a novel Card Game Sentence Evaluation Task in Prediction, Description and Guess mode respectively. We predict that when the speaker is ignorant about the truth of the two disjuncts, the participant will accept true disjunctions to a much higher degree (i.e. at a comparable rate to false disjunctions).

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LLMs and Reflexive Binding Intuitions: Do LLMs encode native speakers' reflexive binding intuitions?

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Nativists (e.g. Chomsky, 1989; Crain and Pietroski, 2001) and empiricists (e.g. Clark and Lappin, 2011) have long debated if syntactic acquisition utilises statistical learning/general learning biases or if instead it utilises innate language biases. However, this debate has reached a new level with the rise of LLMs and NLP models which can now model language to a highly grammatical degree (Piantadosi, 2023). Past work has investigated if neural architectures have acquired specific grammatical principles, e.g. island constraints (Kobzeva et., 2023; Wilcox et al., 2018, 2019). If language models have in fact encoded certain grammatical principles, such as island constraints, then it is possible to acquire these grammatical principles without a specific language learning bias. However, there has yet to be any work investigating how binding relations are encoded in language models. Thus, I fill this gap by investigating if the LLM *Llama2* has encoded the reflexive binding relations that native English speakers judge in ditransitive constructions. Wh-question prompting was used to probe *Llama2* for these binding relations, and the LLM's responses did not match the human judgements. Thus, LLMs have not encoded the binding relations which humans observe within ditransitive constructions, suggesting that, in part, binding cannot be learnt through statistical learning or general learning biases.

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Manual Actions and Language Suppression in PJM-Polish Bilinguals Spoken Production Tasks

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This paper presents an analysis of the multimodal behavior among bimodal native hearing users of spoken Polish and Polish Sign Language (PJM, polski język migowy) during the production of language tasks performed in spoken Polish. The aims of the study were: (1) to investigate the use of manual gestures, code-switching and code-blending occurring in the participant's productions and (2) to examine the sign language suppression present in the participants' productions as well as expressed in the self-assessment questionnaires on the language-mixing practices.

Data sample included two types of elicitation tasks (Canary row (1950) and a route description based on the shown map). The informants were video-recorded, while a moderator fluent in PJM and Polish was present in the room. We examined linguistic material from 7 informants (6 F, 1 M; age $M=33,5$, $SD=11,3$), who use both languages in their everyday communication.

As a result of the annotation process, we have identified 138 manual activities: 92 were categorized as non-referential gestures, 46 – as referential gestures. None of the manual activities in the data were interpreted as PJM signs, which means that no instances of code-mixing, code-switching or code-blending were found.

The obtained results suggest that the participants do not use PJM during spoken language monolingual tasks. This suppression of sign language was observed even though the tasks were managed in a signed-spoken bilingual environment.

As there is evidence that mixing of signed and spoken language is generally seen as inappropriate in the Polish Deaf community, we speculate that participants' language suppression might stem from their internalized language ideologies. This is supported by the observation that their behavior is in line with their self-assessment overtly expressed in the questionnaire answers. We also address some of the limitations of the study, i.e. the influence of the elicitation task, the participant's professional background etc.

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Agreement phenomena in Mòore?

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The Gur languages, spoken in West Africa, are known to not have verbal agreement with nominal features, as it is familiar from e.g. European languages; rather there exist only particles expressing aspect, mood, non-finiteness (see Hantgan 2014) and showing up in preverbal position. However, in Mòore, certain pronominal elements can attach to the finite verb to the right - in some cases co-occurring with the nominal argument. This leads to the question whether this suffixed pronoun is developing into an agreement marker, lacking a theta role and also losing phonetic substance/erodes phonetically (cf. Haig 2020).

The highly underspecified element *a* (and its plural counterpart *b(a)*) - originally the nominal class marker(s) for [+human] - occurs besides being attached to the finite verb - as a pronoun and even in determiner-like functions. Furthermore, difference in tone marks (in)definiteness. Thus, it has developed into an element with further grammatical functions.

The aim of this presentation is to provide evidence showing that the element *a* attached to the finite verb has to be perceived as an affix, for the reason that it regains its pronominal status when it is focused.

The presentation is structured as follows. After the introduction, I will present the occurrences of the *a* and *ba* in the nominal domain. The third and fourth sections will deal with *a* and *ba* in the verbal domain: on the one hand as an agreement marker and on the other as a (resumptive) pronoun. The last section will conclude the presentation.

Two types of tough-constructions in Romance

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Tough-constructions (TCs) in most Romance languages (as in Italian 1) are an A- dependency. It has been suggested that in this type of TCs the embedded verb has passive syntax (e.g. Giurgea and Soare, 2010), which raises the question of why it does not also have passive morphology.

- (1) Questi libri sono difficili da leggere.
these books are hard_{DA} read._{INF}
'These books are hard to read.'

I show that these constructions involve a very small clausal complement (just a VoiceP), as evidenced by various tests including the ungrammaticality of high restructuring verbs (2), auxiliaries (3), and clausal negation (4) which are T projections (Cinque 2006, Rizzi 2000 among others).

- (2) Il cibo italiano è facile da (*voler) mangiare ogni giorno.
the food Italian is easy_{DA} want._{INF} eat._{INF} every day
'Italian food is easy to (want to) eat every day.'
- (3) *Il problema è impossibile da aver già risolto.
the problem is impossible_{DA} have._{INF} already solve._{PPRT}
'The problem is impossible to have already solved.'
- (4) *I libri di filosofia sono facili da non capire mai.
the books of philosophy are easy_{DA NEG} understand._{INF} ever
'Philosophy books are easy to not ever understand.'

I propose that such a complement must be headed by a defective Voice head (cf. Wurmbrand 2016), which cannot assign accusative but has default active morphology. Microvariation data suggests there is a connection between defective Voice and clause size: in Romance varieties where TCs employ a bigger complement, the embedded verb cannot be a bare infinitive but must have either a resumptive object clitic or an overt passive marker.

- (5) Sti libri su difficili cu *(li) pozza leggere nu piccinu. (Salentino)
these books are hard_{CU OCL.3MPL} can._{SUBJ.3SG} read._{INF} a child
'These books are hard for a child to be able to read.'
- (6) Les llengües orientals són difícils d'haver-*(les) après en sis mesos. (Colloquial Catalan)
the languages Eastern are hard_{DE=have._{INF}=OCL.3FPL} learn._{PPRT} in six months
'Asian languages are hard to have learnt after six months.'
- (7) Cust'arbur el fasil a no esser vidu. (Logudorese Sardinian)
this=tree is easy_{A NEG} be._{INF} see._{PPRT}
'This tree is easy not to see'

These results suggest the existence of (at least) two types of TCs in Romance:

- Type 1: VoiceP complement and defective Voice.
- Type 2: TP/CP complement with overt passivisation (passive Voice) or a resumptive object clitic (active Voice).

TCs with functional structure above defective Voice are not attested. I explain this as a constraint on selection: defective Voice must be directly selected by the lexical matrix predicate.

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Are you certain that presuppositions project universally from attitudes?

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Presupposition projection from attitude predicates like *be certain* is often taken to be universal such that all of the attitude holder's doxastic alternatives must be such that the presupposition holds in order to avoid presupposition failure. This is most evident in dynamic approaches to presuppositions like Heim's, which forms the standard response to the projection problem from attitude predicates.

Notably, while there has been ample empirical work into presupposition from quantifiers over individuals, there is currently no experimental work on quantifiers over worlds in this domain. In our experiment, we find that both soft and hard presuppositions (*stop* and *again*, respectively) do not project universally from the attitude predicate *be certain*. Rather, we find that our results are best captured using a trivalent Strong Kleene approach to presupposition projection, which predicts falsity even when not all of the certainty worlds make the presupposition true, as long as falsity obtains at some of those worlds. This aligns with what Fox argues for individual-based quantifiers. In this way, our results motivate an analysis according to which presupposition projection patterns from quantificational environments are derived using Strong Kleene, instead of having to assume separate mechanisms for different kinds of quantification.

Interestingly, while the empirical results for presupposition projection from quantifiers like all tend to find various sources of variation (including speaker- and trigger-related effects), our results for presupposition projection look relatively uniform. Different from individual-based quantificational environments, where additional mechanisms like local accommodation are often invoked to explain some of the intricacies, our results warrant no such extra assumptions.

Components of Iconicity in German Sign Language (DGS): Hearing Non-Signer's Perception of Phonological and Semantic Parameters of Iconicity

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Iconicity is defined as a perceived resemblance between aspects of a linguistic form and aspects of its associated meaning (Perniss et al. 2010; Perniss and Vigliocco 2014; Dingemanse 2019). Transparency describes a degree of this resemblance, in which a sign's meaning can be correctly inferred solely based on its form (Pizzuto and Volterra 2013; Occhino et al. 2017; Sehyr and Emmorey 2019). While interest in iconicity and transparency has increased in recent years, they are predominantly considered in their entirety, rather than with regards to their individual components. In this study, we investigate various components of iconicity, by examining 50 lexical signs in DGS regarding the question which phonological parameters, as well as instantiations of semantic attributes, carry the most iconic potential for hearing non-signers.

In our study, we provide a new analysis of qualitative data for 50 lexical signs which was collected within a study by Trettenbrein and Pendzich et al. 2021. The data consists of responses by 30 hearing non-signers regarding the aspects of meaning they recognized in the examined signs. The answers were coded according to four phonological parameters; location, handshape, path movement, and facial expressions, as well as to iconic instantiations of semantic attributes, which we categorized into action, state, item, creature, and body part.

In this poster, we present a first analysis of this qualitative data with the goal of ascertaining which phonological and semantic parameters carry the most iconic potential for hearing non-signers. A preliminary analysis of the data indicates that movement, handshape, and location seem to carry the most iconic potential for hearing non-signers with regards to phonology. Semantically, aspects of meaning depicted by iconic instantiations of actions, items, and body parts seem to be the most recognizable and transparent to hearing non-signers.

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Gestures update common ground and progress discourse with referential information

Sofia Koutalidis

Recent research demonstrates that communication is an inherently multimodal phenomenon. This also applies to updating the common ground through the process of information structuring. Information structure refers to the means of marking information on utterance level for the sake of both serving immediate communicative goals and establishing coherence with previous and upcoming discourse. In German, the resources for marking information structure can be prosodic or syntactical [1]. Recent research has emphasized the role of gestures in marking information [2]; beat gestures in particular have been considered to have an important function to establish links to previous discourse and support progressing discourse [3, 4].

Research on information structure has so far been mainly focused on the investigation of context-free or context-reduced sentences. However, in authentic everyday conversations, utterances are produced in a rich conversational context and co-constructed by interactants who make use of multimodal resources that are at their disposal [5].

This study focuses on the ways information structure is multimodally marked to most optimally update the common ground according to the current communicative goals that arise. Data stem from interactions between 45 German preschool children and their caregivers. Initial results show that children will often solely employ gestures to update the common ground. The referential and iconic properties of gestures are utilised when current conversational needs are most effectively served that way. Findings show in certain cases the common ground is successfully updated through gesture and their referential properties and that interactants jointly adjust the state of information to progress the discourse.

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Inner Aspect Hypothesis of Directional Serial Verb in Mandarin

Tong Wu

This study intends to investigate directional constructions in Chinese from aspect perspective by focusing on decomposing complex directional serial verb constructions, and expanding to other variants.

“Directional verb compounds” or “directional constructions” in Mandarin Chinese have two key features. On the one hand, these constructions have more than one verb in surface string. On the other, they have a high flexibility in surface form that the directionals can either be pre-object (being adjacent to matrix verb) or post-object (being split to matrix verb). Past studies in Chinese categorized them as directional complement or verb compounds (Chao, 1986, Li & Thompson 1981). One major analysis (Paul 2022) analyzes them as serial verb constructions sharing internal argument, yet is lack of the motivation for raising. Another influential analysis embraces Ramchand’s (2008) First Phase Syntax, yet brings along various pre-assumptions to get the correct linear order and situation type explanations (cf. Hu 2022, Chen 2023).

This analysis embraces Sybesma (1999)’s spirit that an inner aspect (between vP and VP) exists in Chinese with three layers (Asp1P, Asp2P, Asp3P) hosted between vP and VP. This study proposes that adjacent directional serial verb constructions (the pre-object type) are hosted in inner aspect while split directional serial verb constructions (the post-object type) are not. To be more specific, this study believes that simple adjacent directionals possess Asp1P0, possessing gradable achievement reading. Complex adjacent directionals possess Asp1P0 and Asp2P0, making the gradable achievement receive a deictic phasal end.

This work extends the hypothesis to directionals and enhances the idea that Aktionsart in Mandarin not only lies in the lexicon but more in syntactic structures. This work also helps in sub-categorization of directionals encoded in Chinese.

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Session 2

The Anatomy of Handshape: A feature geometric phonetic analysis of handshapes across sign languages

Aaron Golish

Handshape, the configuration of the digits of the hand, is one of the key formational units of sign languages. In early formational analysis the configuration of the hand was viewed as an atomic unit (Stokoe *et al.* 1976). However, more recent analysis has discovered that the handshape is formed from smaller primitive subunits. However, identifying an exhaustive set of primitives and what structural relation they bear to each other remains a problem. Work in the late 90s by Diane Brentari (1998), Els van der Kooij, and Harry van der Hulst (1998, 2021), proposed using a feature geometry tree *à la* Clements (1985) that divided Handshape into two major nodes; Finger Selection, and Joint Configuration.

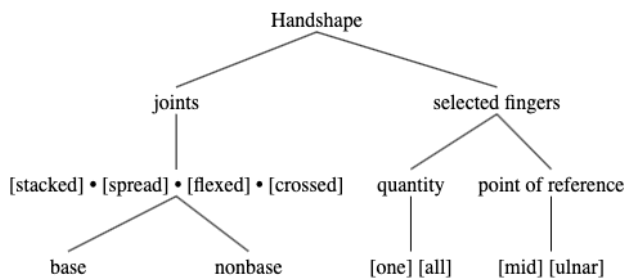


Fig 1. Joint configuration and finger selection in the handshape structure of the Prosodic Model (Brentari 1998).

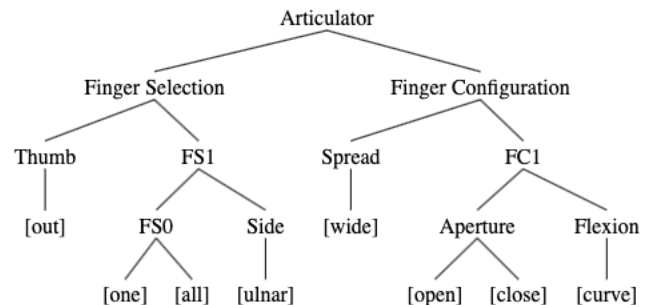


Fig 2. Articulator feature geometry for handshape. Adapted from (van der Hulst and van der Kooij, 2021).

The division of handshape into these two independent nodes was motivated largely by earlier observations by Mandel (1981) that there appears to be a distinction between the behaviour of what he called ‘selected fingers’ (the active and focused fingers) and ‘unselected fingers.’ However, Mandel proposed a series of constraints on selected finger behaviour don’t reliably hold cross linguistically or even in the sign inventory of ASL, from which Mandel based his account.

In this poster I use a survey of the anatomy of the hand and forearm in order to identify the active articulators and their interaction in the phonology of sign languages. I use this anatomically informed set of primitives to critique the feature geometries of Brentari (1998) and van der Hulst and van der Kooij (2021). I show the theoretical limits of these two models, particularly how they both under-generate and over-generate attested handshapes. I draw especially attention to the “configuration” node in their models, which is left unstructured and therefore under-constrained as well as lacking key features (i.e. [Lateral], [Interossei]). The features listed under Configuration are treated as though they can freely combine, when in fact they’re highly constrained and share a complex dependency relation to ‘finger selection.’ Finally, the free variation of the finger selection fails to account for the asymmetries between what fingers can be selected for extension and which fingers can be selected for flexion. I conclude with a different feature geometry that takes the intrinsic and extrinsic muscles of the hand as the primes of the handshape. Starting from

‘phonetic’ primes instead of post-hoc observation allows for a feature geometry that more closely reflects articulatory reality of handshape articulation.

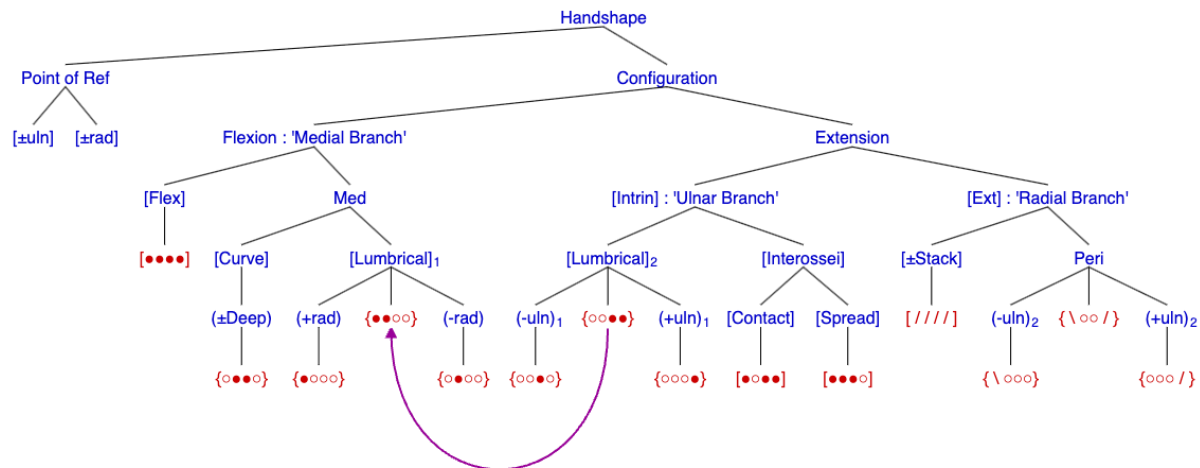


Fig. 3. The neuromuscular model of Handshape. Square brackets [] represent major configuration features of the extrinsic and intrinsic muscles of the hand. Round brackets () represent terminal selectional features and are governed by the c-commanding *Point of Ref* feature. Red terminal { } brackets serve as a visual reference for the selected fingers.

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Biased Polar Questions in Turkish

Ateş İsmail Çalışır

This poster explores the biased polar questions in Turkish, questions that carry implicit assumptions or expectations (bias) about the answer. Generally, this type of questions act as assertions as well, this assertion has the opposite truth value of the question. Thus, a sentence like “Isn’t Jane coming?” implies that the speaker believes that Jane is coming. Furthermore, the expected answer to the question is also different compared to general questions, while a polar question is open to both answers and is asking the truth value of the proposition, a biased polar question expects an affirmative answer.

Polar questions in Turkish can be categorized into two main forms depending on where the polar question marker surfaces: the immediately preverbal position, the canonical focus position; or after the verb, which seems to deal with truth-conditional operations. Biased questions are marked by specific syntactic and prosodic features, including the position of question particle *mI* and intonation patterns. Biased polar questions in Turkish also shed light on question particle *mI*'s distribution, as both postverbal and preverbal positions are said to deal with broad focus. However, only post-verbal *mI* results in epistemic bias.

Form-meaning mismatch and focus sensitivity in Kusaal

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Introduction: Kusaal, a Mabia (Gur) language spoken in Northern Ghana has both an adfocal-exclusive particle *ma'a* 'adfocal-only' (1a) and an adverbial-exclusive particle *kɔdim* 'adverbial-only' (1b). In this study, I present two sets of novel data which provide evidence for form-meaning mismatches, as in (a) one form = ambiguous meaning, and (b) double forms = a single meaning (concord). I argue that an *Operator-Particle Approach* best captures the observed phenomenon (Lee 2005, Quek & Hirsch 2017, Branan & Erlewine 2023, a.o.)

- (1) a. Adam di nɛ [mui]_F **ma'a**.
Adam eat FOC rice only_{adf}
'Adam ate only RICE.'
b. Adam **kɔdim** di nɛ [mui]_F.
Adam only_{adv} eat FOC rice
'Adam only ate RICE.'

Form-meaning mismatches: Following Taglicht (1984), afocal-only (but not adverbial-only) shows scope ambiguity in the presence of modals. This is true in Kusaal. While adfocal-*ma'a* can take either wide or narrow scope in relation with the modal *tun'e* 'may' (2a), adverbial-*kɔdim* is scope-rigid, and can only take wide scope (2b).

- (2) a. Adam tun'e di-d nɛ [mui]_F **ma'a**. [only > may; may > only]
Adam may eat-IPFV FOC rice only_{adf}
'Adam may eat only RICE.'
b. Adam **kɔdim** tun'e di-d nɛ [mui]_F. [only > may; *may > only]
Adam only_{adv} may eat-IPFV FOC rice
'Adam only may eat RICE.'

In the second mismatch case, the co-occurrence of both particles results in a single exclusive reading (3): Adam ate only rice and nothing else. This is similar to negative concord (Zeilstra 2007, a.o.)

- (3) Adam **kɔdim** di nɛ [mui]_F **ma'a**.
Adam only_{adv} eat FOC rice only_{adf}
'Adam only ate RICE.'

An Operator-particle analysis: For both cases, I argue for an Op-PRT approach whereby a high exclusive Op agrees with adfocal-*ma'a*. The idea is that the exclusive interpretation actually comes from a higher head, and not the adfocal-*ma'a* itself. I present evidence from split-scope and ellipsis to support my claim.

- (4) [CP/TP Adam [_{ExclP} Op/*kɔdim*_[iExcl] [_{vP} di [DP nɛ [DP mui] **ma'a**_[uExcl]]]]]]

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Adverb Raising – Production Error or Actually Productive?

Julie Maria Rohde

PhD student, Aarhus University

Sentential adverbials are assumed to modify the clause they sit within, as seen by the fact that an adverbial will yield two distinct interpretations of a sentence depending on whether it occurs in the main clause or the embedded clause. This generalisation can seemingly only be violated by sentential negation under a well-researched phenomenon known as Neg-Raising (Fillmore 1963; Lakoff 1969; Horn 2001; Collins and Postal 2014; 2017).

However, research suggests that a similar mechanism may be available for sentential adverbials at large, in languages such as Dutch (de Schepper et al. 2014; Barbiers 2018), English (Edelstein 2013; 2018), and Danish (Hansen 2000; Boye 2007; Ørsnes 2018). In these papers, it is argued that sentences such as *I soon hope to finish my book* (Edelstein 2013, 21) and *Jeg tror altid at han har kendt til mine følelser for ham* ‘I always think that he has known of my feelings for him’ (‘KorpusDK’) are instances of so-called Adverb Raising (AR), in which an adverbial moves from an embedded clause to a matrix clause while still being interpreted in the embedded clause, rather than in situ in the matrix clause.

As part of my PhD project, I have conducted corpus searches investigating the prevalence of Adverb Raising in the corpora, the conditions under which AR can occur, and the possible constraints on this phenomenon, such as the syntactic availability of the raised adverbial, as well as the semantic features of the adverbial that might facilitate raising.

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Present is Perfect: The “Extended Now” Theory

Lin Dewes

The semantics of the German present perfect is assumed compositionally as a relation of E<S, R (E: event time; S: speech time; R: reference time). The perfect aspect, which is morphologically expressed by the auxiliary verbs with the past participle *sein/haben* + *Partzip II*, means that the event denoted by the VP must precede the reference time and be completed (*Vorzeitigkeit* and *Abgeschlossenheit*). The present tense locates the reference time at/around the speech time. The crucial difference between the present perfect in German and in English is that the English present perfect has the continuous perfect function, whereas the German does not. For example, when the sentence *I have lived here* is uttered, the situation denoted by the predicate is not necessarily terminated at the speech time. On the contrary, *Ich habe hier gewohnt* ‘I have lived here’ is assumed that the speaker lived here before, but not anymore at the speech time.

In my master’s thesis a pilot corpus study in Deutscher Referenzkorpus (DeReKo) was conducted. The imperfective predicates (aktionsarts of state and activity) such as *bleiben* ‘stay’, *lieben* ‘love’ and *zunehmen* ‘increase’ used in the present perfect construction have been analyzed. It is concluded that: 1) In contexts where no temporal adverbials that quantify the imperfective predicates, the situations denoted by those predicates must neither be anterior nor completed before the reference time/speech time; 2) In preterite contexts, both interpretations of the preterite and the perfect are available, which supports the ambiguity analysis in the literature (e.g., Löbner 2002).

These findings above contradict to the classic analysis in the literature (e.g. Löbner 2002, 2015). Thus, an alternative theory called “Extended Now” based on Fabricius-Hansen (1986) and von Stechow (1999) is introduced. Accordingly, what so called perfect aspect should not be treated as an aspect but as a relative tense, which denotes a reference time into the past and with its right boundary in a deictic tense, in this case the present tense.

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Some German polar questions are “eh”-biased

Maya Cortez Espinoza

from joint work with Simon Dampfhofer

In German, polar questions may signal a speaker bias towards one particular answer by virtue of using one of several discourse particles. The Austrian German particle *eh* has been described as adding a [+ positive epistemic] bias, in the sense of Sudo, 2013, into polar questions. This bias comes with two modal flavors: belief-based (Csipak and Zobel, 2014) and bouletic (Zobel, 2017) bias, that is, questions with *eh* are restricted to contexts in which a speaker considers or previously considered the highlighted answer more likely or favors the highlighted answer. (1) exemplifies the use of *eh* with English paraphrases showing these modal flavors.

When used in assertions, *eh* signals i) recognition of an existing bias and ii) the denoted proposition to be in line with that bias. While Zobel, 2017 assumes the holder of this bias to be necessarily the

- (1) Hast du *eh* an den Kuchen gedacht?
Have you EH about the cake thought?
Approx. You have remembered the cake, right?
a. I **thought** you would remember the cake. Did you?
b. I **hoped** you would remember the cake. Did you?

addressee, example (2) shows it to be more flexible.

- (2) [I always dreamed of owning a horse farm.]
a. Den Traum habe ich mir *eh* erfüllt.
This dream have I Refl. *eh* fulfilled.
I did fulfill this dream.

The intended poster spells out how discourse temporarily stores interlocutors' wishes and unconfirmed beliefs in order to account for the functionality of *eh*. Following Csipak and Zobel, 2014 and Zobel, 2017, I assume *eh* to introduce a [+ positive epistemic] bias towards ϕ in $eh\phi?$ and $eh\phi$. (assertions and questions). With *eh* in polar questions, that bias is necessarily held by the speaker as no bias concerning this question can exist prior to uttering the question. For assertions, the added bias is matched with a previously known preference. If no such preference (doxastic or bouletic) is identifiable, an assertion with *eh* either i) is infelicitous ii) understood ironically or iii) triggers accommodation of a matching bias.

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Be in the Right Place: Morphosyntactic Peculiarities of the Macedonian Article

Metodi Efremov

Macedonian has a definite article that simultaneously appears to be a clitic and an affix¹ (Tomić, 1996; Franks, 2001). It must always appear on the structurally highest ϕ -feature agreeing item, hence being a 2P Wackernagel clitic, as illustrated in (1).

1. a. Mnogu dobri leba.
 very good.Pl bread.Pl
- b. Mnogu dobrite leba.
 very good.Pl+the.Pl bread.Pl
- c. *Mnogute dobri leba.
 very+the.Pl good.Pl bread.Pl
- e. Site² tri dobri leba.
 all.Pl+the.Pl three good.Pl bread.Pl
- f. *Site trite dobri leba.
 all.Pl+the.Pl three+the.Pl good.Pl bread.Pl

As observable in (1), the definiteness marker can only appear once, as the contrast between (1e) and (1f) shows, and on virtually any item as long as it agrees with the noun, as (1c) shows. It can also appear on a quantifier, as shown in (1e), which I assume is hierarchically above D, and selects the DP as its complement (Cardinaletti & Giusti, 1992).

However, it also affects the phonological domain of its host, as shown in (2): final devoicing is blocked in (2b) – unlike (2a) – while deletion and epenthesis must occur in (2b).

2. a. Maž – mažot.
 [Maš] [Mažot]
 man.M.Sg man.M.Sg+the.M.Sg
- b. Dobar maž – dobriot maž.
 good.M.Sg man.M.Sg good.M.Sg+the.M.Sg man.M.Sg

I propose that the dual nature (affixal clitic) of this item and its 2P requirement is due to an interaction of bidirectional Agree (see Bejar, 2003; Baker, 2008; Bejar & Rezac, 2009) and a global (phasal) impoverishment rule that occurs at PF (see Fongang, 2024) that deletes every uninterpretable DEF feature in the extended nominal domain (following contextual phasehood (Bosković, 2014)) except the structurally highest one.

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¹ Bulgarian exhibits a similar, if not identical, paradigm that I abstract away due to time and space.

² The quantifier *site* in Macedonian must always have a definiteness marker; otherwise, the structure is unacceptable.

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Exploring Inclusivity in Language Learning: Examining the Teaching and Learning Processes Among Signers with Learning Difficulties

Purva Basarkar

According to the World Health Organisation (WHO), an approximate of 5% of the population struggles with auditory dysfunction. Furthermore, an average of 0.1% to 0.2% of the population is profoundly deaf and relies on sign language as a means of communication. A seamless integration of minority communities and devices to cater to their needs forms an important part of promoting inclusivity. Keeping in line with this thought process, I would like to present a poster on the topic of inclusive teaching tools for signers with learning disabilities.

Over the past few decades, extensive research has transformed language teaching into a thriving and ever-evolving field. The field of study has broadened its scope to include not just the acquisition of second and third languages, but also the acquisition of second modalities. It is evident that there is a substantial focus on spoken language, but research has expanded to encompass non-verbal forms of communication, such as conventional sign languages. Numerous significant studies have been conducted in this area. In addition to language learning, extensive research has been conducted on individuals facing challenges with learning disabilities. Upon further examination, it becomes evident that the study primarily concentrates on learning disabilities associated with verbal communication.

My aim with this poster is to start a conversation about bridging the gap in research, and starting a conversation about the better implementation of the teaching tools to accommodate the minorities. My research focuses mainly on dyslexia, visual processing disorder (VPD), non-verbal learning disorders (NVLD) and executive functioning disorders. The background for this poster comes through literature available on the topic as well as input from medical professionals that specialise in the field of learning disabilities. With this research, the aim is to come up with ideas that encourage language instructors and learners alike to come up with a robust and all-encompassing relationship between language training and learning.

On two developments in deontic MUST in L1 South African English

Rebecca Pitt

This poster focuses on two related developments in the functional domain of deontic *must* in L1 South African English (SAE). Deontic *must* traditionally involves the obligation of some controlling agent to bring about a state of affairs (Palmer 1990). I present data showing that phonologically variant forms of the modal express different speaker-orientated meanings that do not induce the addressee to act per se, but instead relate to speaker attitude/opinion (1) and speaker desire/wish (2):

(1) SAE *must*: speaker attitude/opinion

- a. You [mʌs] *maar* write the test again.
you must but.PRT write the test again.
'Well, I think you should then write the test again.'
- b. Let us know if we **mustn't** just walk. It's not far!
'Don't you think we should just walk?'

(2) SAE *must*: speaker desire/wish

- a. You [məs] rest well!
"Rest well!"
- b. You [məʃnt] be worried about this!
'You needn't be worried about this!/Don't worry about this!'

Speaker orientation is normally associated with epistemic modality, as the speaker makes a judgement regarding the truth of the proposition (Barbiers & van Dooren 2017). Diachronically, the direction of change for deontic *must* is typically thought to be towards epistemic modality (Lightfoot 1979). The speaker-orientated meanings of SAE *must* in (1) and (2), however, do not invoke an epistemic meaning.

I consider how the two SAE *must*-types might emerge in the modality system, proposing two separate routes: for (1)-type SAE *must*-uses, I hypothesise the relevance of high negation in negative questions with modals, and for the weak imperative-like *must* in (2), an alternative pathway which reflects the fact that this option is also possible for *must*-cognates in other Germanic languages.

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Form and Meaning Mismatches in Spanish Essays by Filipino Learners: The Interplay of Tagalog and English Influences

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It is widely accepted that language transfer plays an essential role in the process of language acquisition. Early research in the field revealed that cross-linguistic influence (CLI) was affected by the linguistic or typological distances between the languages involved (Bild & Swain, 1989). Experts commonly believe that if the languages involved are considered to be typologically similar, some facilitating effects in acquisition will appear (positive transfer).

On the other hand, when there is divergence between the native and the non-native language, CLI can occur in the form of errors, overproduction, underproduction, and miscomprehension (negative transfer) (Odlin, 1989). Thus, in the present study, it was theorized that one's knowledge of a Mother tongue - Tagalog (L1) and Second language – English (L2) will affect their knowledge or use of the Foreign Language -Spanish (L3) when they lack knowledge in the target language (Spanish).

Tagalog and English exhibit distinct grammatical and syntactic structures compared to Spanish, leading to frequent mismatches in learners' Spanish essays. Tagalog's verb-subject-object (VSO) order often results in incorrect Spanish syntax (Odlin, 1989; Ringbom, 2007). Additionally, the lack of complex verb conjugations in Tagalog contributes to errors like "Yo estudiar" instead of "Yo estudio" (Ellis, 1997).

This study examines how form and meaning mismatches affect the written production of the L3 of Twenty-five (25) University students enrolled in Spanish 4 (A2) Level - Common European Framework of Reference for Languages -CEFR) course. It examines the students' written compositions of several texts in Spanish over one semester to ascertain how they express themselves in Spanish. The analysis of the study focuses on several essays written in response to various prompts, exploring Spanish as their third language (L3), with Tagalog as their mother tongue (L1) and English as their second language (L2). The study identifies cross-linguistic transfer as a significant factor influencing learners' Spanish sentence construction, highlighting the interplay between L1 and L2 in shaping L3 production.

Keywords: Language transfer, form and meaning mismatches, written production, Spanish language, Interplay of Tagalog and English.

Experimental Studies on Korean Multi-tonal Imperatives: Sentence-type Conventions and Politeness Inferences

HONG Seungyeon

This study examines the use of multi-tonal boundary tones in Korean imperatives to understand their impact on perceived politeness and acceptability. Korean prosody, especially boundary tones, plays a crucial role in conveying nuanced meanings and speaker intentions. This research focuses on five types of multi-tonal boundary tones (LHL%, HLH%, LHLH%, HLHL%, LHLHL%) and their usage in three types of imperatives: positive, negative, and insulting. An experiment on its politeness and acceptability of various imperative sentences with different boundary tones was conducted. The results show that positive imperatives ending with LHLH% and LHLHL% tones are perceived as less acceptable, while negative and insulting imperatives with LHLHL% tones do not show reduced acceptability. Additionally, more complex tonal patterns, such as LHLHL%, generally increase perceived politeness, especially in face-threatening situations. The findings suggest that specific combinations of imperative types and boundary tones lead to predictable social and emotional responses, highlighting the importance of prosodic variations in managing social interactions in Korean. This research contributes to our understanding of how boundary tones influence the pragmatics of politeness and the perception of imperatives in Korean. Further empirical surveys are needed to clarify these observations.

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Cross-world reference

Squid Tamar-Mattis

One way for semanticists to analyze truth in fiction is by relativizing propositions to fictional worlds. However, there exist some sentences in natural language which require information from multiple worlds to be interpreted. These include referential cross-world sentences, where the name of an actor from the real world appears to replace the name of the fictional character they play (downward) (1), or vice versa (upward) (2).

(1) Mark Hamill is a Jedi.

(2) Luke Skywalker was interviewed on CBS.

Previous literature (Cook 2017, i.a.) has generally assumed that in these cases, the name of an individual from one world actually does reference the related individual in another. I present several empirical asymmetries between upward and downward cross-world reference that demonstrate problems with this analysis. Instead, I propose a covert operator *FICT*, which takes a predicate *P*, and returns a predicate that roughly means 'plays a character of whom *P* is true in a (contextually relevant) fictional world.' *FICT* can be applied to sentential predicates to form downward referential cross-world sentences, or within DPs to form upward referential cross-world sentences, provided we make certain (merited) assumptions about the structure of name and pronoun DPs. In addition to the aforementioned asymmetries, this accounts for apparent differences between English and languages like Italian in how gender is handled in upward referential cross-world sentences, as well as for some previously studied facts about dream reports (Percus & Sauerland 2003, Anand 2007), which I analyze as a type of downward referential cross-world sentence.

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How to end an explanatory interaction

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Everyday explanatory interactions are usually embedded in larger conversational contexts, e.g. a dinner conversation or small talk, and follow a specific global structure [1], [2]. This structure consists of a series of communicative tasks that are co-constructively implemented by the participants. During explanatory interactions, turn-taking is paused and a principal speaker [3], the explainer (EX), to whom the right is assigned to talk for a longer period of time, is established [4], [5]. However, the other participant(s) are equally involved in successfully accomplishing the explanatory interaction, for example by signalling ongoing attention, asking questions, or indicating their (non-)understanding. Even if the EX as the principal speaker provides the content of the explanatory interaction, the Explanees (EEs) are equally involved in fulfilling the communicative tasks (jobs) [2].

The present analyses focused on how the final communicative task – closing the explanation – is mutually achieved. To address this question, 26 dyadic explanatory interactions of the boardgame Quarto! were videotaped, subsequently transcribed according to GAT2 (minimal transcript) [6] and then annotated according to a previously established coding scheme (cf. [4, p. 320]). The analyses follow the principles of ethnomethodological conversation analysis [7], [8], [9].

The results show that if one participant – e.g. the EX – initiates a closing sequence [10], the other participant – the EE – has three options and regularly employs either one of them or a combination of these: (1) accepting the closing sequence by producing formulations that display understanding [11]; (2) accepting the pre-closing without further (re-)formulations and co-constructively fulfilling the closing of the explanatory interaction; (3) declining the offer to close by, e.g., asking a question or producing a remark on the previously explained content. In this case, further content regarding the explanandum is explained. Both participants return to the core job of the explanatory interaction.

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Temporality and asymmetric conjunction

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Unlike the symmetric logical operation of conjunction, sentences conjoined by the natural linguistic coordinator *and* can be asymmetric, since the temporal or causal relation between the coordinated clauses might change as the order of the conjuncts is reversed, resulting in asymmetric conjunctions (Schmerling, 1975). In (1-a), the event in the first conjunct is normally interpreted as temporally and causally prior to that in the second conjunct, and reversing the conjuncts leads to a different interpretation in (1-b).

- (1) a. [I left the door open] and [the cat got in].
b. [The cat got in] and [I left the door open].

Current approaches to asymmetric conjunction can be divided into two categories. On the one hand, pragmatic approaches following the Gricean tradition maintain the position that the semantics of the natural linguistic conjunction *and* is equivalent to the logical operator \wedge , and all other meaning components are derived through pragmatic mechanisms (Carston, 2002; Grice, 1975; Levinson, 2000). On the other hand, semantic approaches propose that *and* has a semantics which blocks certain semantic relations between the conjuncts like EXPLANATION, which involve backward temporal or causal relations between the conjuncts (Altshuler & Truswell, 2022; Bar-Lev & Palacas, 1980; Txurruka, 2003).

Carston (2002) observed that sentences like (1-a) involve two separate relations: a temporal relation and a causal relation. The present study addresses the question of which semantic relation is blocked by *and*: the reversed temporal relation, the reversed causal relation, or both. Results of an experiment show that although the reversed temporal relation was rated as less preferable but still acceptable, the reversed causal relation received higher ratings, similar to sentences with symmetric relations. These results provide empirical support for the pragmatic approaches.

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Serial verb reduplications in Asian and African languages: A contrastive look at Zhuang and Dàgáàrè

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This paper investigates the interaction between serial verb constructions (SVCs) and verb reduplications (VRs), a grammatical process we term **serial verb reduplications (SVRs)** (Bodomo & Abubakari 2022). We conduct a contrastive study that takes two genetically unrelated and understudied languages, Zhuang (a Tai language spoken in southern China) and Dàgáàrè (a Maba language spoken in northwestern Ghana), as a stepping stone to uncover the uniformity and diversity within SVRs.

SVRs as a comparative concept

SVRs refer to constructions derived from SVCs in which at least one verb in the series is reduplicated. SVCs are defined as productive, monoclausal constructions consisting of different independent verbs without any linking element or predicate-argument relation between them (Haspelmath 2016; Bodomo 2019). VRs involve the full or partial repetition of the verb base (Haspelmath & Sim 2013).

In both Zhuang and Dàgáàrè, SVRs are characterized by lexical full reduplication.

Comparison of semantic types

Based on a verbal semantic typology (Luke & Bodomo 2001), we identify the following types of SVRs in Zhuang and Dàgáàrè (cf. Pan 2010; Bodomo 2019).

Type	Motion	Benefactive	Instrumental	Manner	Posture	Resultative	Purposive	Inceptive
Zhuang	✓	✓	✓	✓	✓	✓	✓	✓
Dàgáàrè	✓	✓	✓	✗	✗	✓	✓	✓

As shown in the table, Zhuang exhibits a broader range of semantic types of SVRs compared to Dàgáàrè.

Comparison of reduplication patterns

In Dàgáàrè, verb reduplication is governed by two constraints (Bodomo & Abubakari 2022): (1) semantically full-fledged verbs are available for reduplication across all SVR types, and (2) semantically bleached verbs can only be reduplicated in benefactive and causative pluractional SVRs, where reduplication marks plurality by virtue of agents, themes, or patients. In contrast, Zhuang does not adhere to constraint (2); in other words, number does not trigger reduplication in Zhuang SVRs.

Comparison of syntactic structures

Although Zhuang and Dàgáàrè bear close surface resemblance in shared SVR types (regardless of the distribution of TAM and negation markers), they differ structurally, particularly in resultative and purposive SVRs.

In Dàgáàrè resultative (causative) SVRs, both verbs are transitive and share an object. In Zhuang counterparts, however, the object of a transitive V1 is shared with the subject of an unaccusative V2.

In purposive SVRs, also known as reference-sharing SVRs (Du 2024), Dàgáàrè uniquely displays symmetric sharing (cf. Hirawa & Bodomo, 2008), whereas Zhuang is better represented by a complementation structure with *pro*.

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Session 3

Unraveling Pointing in Turkish Sign Language (TİD)

Ece Eroğlu, Kadir Gökğöz

This paper aims to unfold the functional diversity of pointing signs in Turkish Sign Language (TİD). They may be identified through syntactic evidence, as well as phonetic evidence which may sometimes consist of subtle cues and thus prove difficult to detect with impressionistic methods. To enhance categorization accuracy, we employ Pose Estimation, a cutting-edge computer vision technique. This method precisely transforms phonetic cues into solid numeric ranges upon which hypotheses can be built. The calculations enable disambiguating mappings onto primary classes—nominals and locatives, including subcategories like *pronouns*, *demonstratives*, and *clitics* in the nominal domain. Our categorization aligns with Pfau’s (2010) proposed grammaticalization path for pointing signs. We argue that the morpho-phonological features separating these classes predominantly utilize spatial information, especially the distance along the x (horizontal) and y (vertical) axes.

This study builds upon the theoretical framework of feature geometry by integrating *Demonstratives* into the model developed by Harley and Ritter (2002) for the nominal domain in spoken languages and extended by Grose (2021) for sign languages. The findings support that the higher the number of features a category holds, the higher the amount of phonological specifications are, extending (Pfau, 2010). Therefore, the arguably semantically strong class, *Locative*, exploits the signing space along with other parameters to the fullest while other classes (e.g. *Demonstratives*) are phonologically weaker.

In summary, our comprehensive approach integrates insights from various domains, including distributional evidence, grammaticalization processes, feature geometry, and a novel computer vision method to offer a robust categorization perspective on the diverse functions of pointing in TİD.

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Children’s interpretation of Disjunctive Antecedent Conditionals

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This study investigates how monolingual Italian children and adults interpret *disjunctive antecedent conditionals* (DACs), i.e., sentences of the form “if A or B, then C”. DACs are associated with the debated phenomenon of *simplification of disjunctive antecedents* (SDA), an interpretation whereby a conditional “if A or B, then C” is analysed as equivalent to “(if A, then C) and (if B, then C)”. Accounts of SDA fall into two camps: semantic accounts regard SDA as a logically valid principle [1, 4, 6, 3, 12]; while pragmatic accounts posit that it arises as an implicature [2, 10]. The aim is to provide empirical data to inform the theoretical debate on the source of SDA. Investigating whether SDA interpretation is acquired early could provide valuable insight into its nature, given children’s delayed development of pragmatic skills [5].

140 children aged 5;0 to 9;11 and 28 adults were administered a Truth Value Judgment Task. Participants were asked to judge a total of 16 DACs, involving conditionals of different kinds (indicatives vs. counterfactuals). Our results indicate that SDA is the preferred reading of DACs in all age groups, regardless of mode. However, the preference for this reading increases with age, becoming near universal in adults.

A second reading of DACs (*disjunctive conditional reading* - DCR, whose structure is “(if A, then C) or (if B, then C)”) is widely attested in children, decreasing with age in line with the increase of SDA.

Our data pose a special challenge to Lewis’s classical theory [8] and Bar Lev and Fox’s pragmatic account [2]. They are best explained by the theories of Santorio [11] and Cariani and Goldstein [3], which combine the idea that disjunctions give rise to alternatives, as in alternative and inquisitive semantics, with the idea that they involve homogeneity [9, 7].

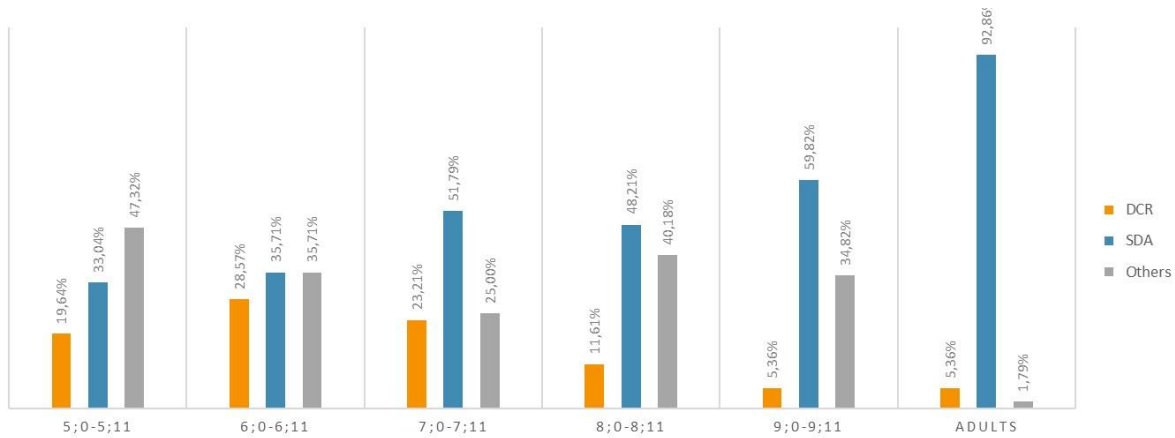


Figure 1: Percentage of interpretative patterns among age groups

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Classifier handshape choice in German Sign Language

- a poster presentation by Isabeau Lettow

Classifier constructions map groups of entities according to their iconic properties [1]. For instance, a person is shown by the 1-handshape, whereas a car is depicted by the b-handshape in German Sign Language (DGS) [2]. These classifiers are different from their lexical sign counterparts because they can be used to show movement in space, for example how a car drives up a mountain or how a man runs in circles. The handshape and its orientation represent the classified entity and then combine with a verb that indicates their movement or location [2]. The fact that the entity as well as its movement can be shown simultaneously in one sign is a modality-specific phenomenon for sign languages [2]. Overall, the use of a classifier construction is a complex morphological process [2].

In our research, we focus on the handshape of classifier constructions and whether signers choose different handshapes to highlight different aspects of the referent they want to present. We are especially interested in the distinction between the 1-handshape representing the whole body of the referent in contrast to the h-handshape focusing on their legs. To answer this question, we analysed retellings of 6 episodes of Tweety and Silvester cartoons by 13 signers of DGS. We annotated every classifier construction they used to show how the cat Silvester flies up a catapult, climbs up a pipe or swings on a rope or how the bird Tweety flies around to escape. Not only the handshape was annotated but also 16 other factors, for example which movement and direction the handshape has, if the classifier is accompanied by mouthing or constructed action or whether it interacts with the second hand of the signer. Finally, the data was evaluated quantitatively, focusing on the difference between the 1- or h-handshapes to understand for which purpose each handshape is used.

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A Preliminary Study on Negative Nonmanual Markers in Brazilian Sign Language

Lorena Figueiredo

Different sign languages express negation using manual and/or nonmanual markers. Manual markers include the standard negative sign NOT, negative pronouns, or verbs with incorporated negation. Nonmanual markers vary across languages and can involve head movements or mouth shapes. This paper presents a preliminary study on negative nonmanual markers in Libras, using corpus data and a Computer Vision approach.

Previous research on Libras suggests that the obligatory negative marker in this language is nonmanual (Quadros, 1999; Arrotéia, 2005; Quadros, 2019). Arrotéia (2005) describes the negative nonmanual markers in Libras as a negation face and a headshake. The negation face, the obligatory marker, involves eyebrow lowering, mouth shape modification, and a slight head nod. The headshake is optional, with a less strict scope over the negative manual sign or the VP, and has a less precise onset and offset compared to the negation face.

This study analyzed five Libras signers, whose videos were extracted from the Corpus Libras (Quadros et al., 2020), resulting in 91 minutes of annotated data. We additionally annotated ELAN files for headshakes, mouth marking, and negative signs. We found 243 negated sentences and 300 negative signs. Mouth marking was present in 68.5% of the sentences, with ‘puckered lips,’ ‘lips corners down,’ and ‘dimpled lips’ being the most frequent shapes. About 61.7% of the sentences included headshake. Most sentences containing headshake also included a manual negative sign, emphasizing the secondary role of headshake.

Following Kimmelman et al. (2024), we used Computer Vision to study kinetic properties of the headshakes, employing OpenFace (Baltrusaitis et. al 2018) to extract head rotation measurements (yaw axis representing the headshake). We found significant differences in measures such as amplitude of movement and frequency of turns per second between the signers, but not between headshakes with and without spreading.

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The view of past and perfect from Vietnamese

Thomas Truong

Previous work has often viewed perfect as distinct from past tense, though some have analyzed perfect as an embedded past tense operator (McCawley 1998, Arregi & Klecha 2015). I provide novel data from Vietnamese for the latter view. Vietnamese is a “superficially tenseless language”, unmarked sentences can refer to past or present time reference but not future time reference.

- (1) (Nam ngoai / Bay gio / #Nam sau) Michael song o Amherst
(Last year / Now / Next year) Michael live in Amherst
'(Last year / Now / #Next year) Michael lives/lived in Amherst'

Following Matthewson (2006), I assume a covert NONFUT tense operator in sentences like (1). An optional auxiliary morpheme *da* forces anteriority. The puzzle is that *da* is ambiguous between past tense and perfect aspect, as shown by the sentences below.

- (2) (Nam ngoai / Bay gio / #Nam sau) Michael **da** song o Amherst
(Last year / Now / Next year) Michael DA live in Amherst
'(Last year / Now / #Next year) Michael lived/ has lived in Amherst'
- (3) Luc 3 gio Minh **da** lam banh mi
At 3 hour Minh DA make sandwich
'At 3p.m. Minh made a sandwich / At 3.p.m Minh had made a sandwich'

The fact that (3) is ambiguous between the two interpretations suggests that *da* is genuinely ambiguous between a past tense and a perfect. This ambiguity does not occur with unmarked sentences. In my proposal, I give a uniform semantics for an operator DA (6) and derive the ambiguity in (2)-(3) from a structural ambiguity such that sentences like (2) have one LF where DA occupies the T-head as in (4) and one LF where DA is embedded under NONFUT as in (5).

- (4) [t^* [TPDAj[AspPPFV[VPMichael live in Amherst]]]]
(5) [t^* [TPNONFUTi [DAj[AspPPFV[VPMichael live in Amherst]]]]]
(6) [[DA]]=[$\lambda P\langle i,t \rangle. [\lambda t'i. \exists t'' : t'' < t' \& t'' \in g(j) \& P(t'')]$]

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On the Syntax of Adverbial Classifier Reduplication in Mandarin

Yan Wang

The syntactic reduplication in Indo-European languages, reported in previous studies as NPN constructions like one by one, have attracted much attention in the generative literature: they are argued to semantically function as a distributive phrase that targets plural participants and syntactically involve a reduplicative head Q bearing a quantity feature (Travis 2001; Jackendoff 2008). This study examines their understudied Mandarin counterpart, Num-Cl P Num-Cl (hereafter NCPNC) structure. Having discovered a fine-grained four-way ambiguity of Mandarin NCPNC constructions, I argue that an NCPNC construction enters the derivation as a V complement and moves to its surface pre-VP position (cf. Larson 2018).

Being a typical numeral classifier language, Mandarin requires a matching relationship between classifiers and nominal targets. Hence, in a transitive sentence with an adverbial NCPNC construction, if the subject and object may share the same classifier, the NCPNC construction is ambiguous between a subject-targeted (ST) and an object-targeted (OT) reading. Meanwhile, depending on the target of universal quantification, an NCPNC construction may either be interpreted as a manner adverbial (MA), or as a subject-oriented adverbial (SOA) emphasizing the quality of the subject (Jackendoff 1972; McConnell-Ginet 1982; Ernst 2002; Li et al. 2012). Hence, a single NCPNC construction may show a four-way (2*2) ambiguity:

- (1) [tamen]_j [yi-ge jie yi-ge]_{j/i} de chi [pingguo]_i.
 [they-PL]_j [one-CL following one-CL]_{j/i} DE eat [apples]_i.
 ‘[They]_j eat [apples]_i [one by one]_{j/i}.’
 (i) ‘Every single person of them all eat one apple after another.’ [SOA-OT]
 (ii) ‘Every single person of them in turn, all eat apples.’ [SOA-ST]
 (iii) ‘They (possibly together) eat one apple after another.’ [MA-OT]
 (iv) ‘They, one person after another, eat apples in turn.’ [MA-ST]

Moreover, it is observed that the linear order between an NCPNC construction and another quantificational element, e.g. modal or negation correlates with the availability of the abovementioned four readings. In particular, only [MA-OT] and [MA-ST] are attested when modal/negation scopes over *yige jie yige* (2a) but only [SOA-ST] when *yige jie yige* scopes over modal/negation (2b):

- (2) a. [tamen]_j bixu/meiyou [**yige jie yige**]_{j/i} de chi [pingguo]_i.
[they-PL]_j must/NEG [one-CI following one-CI]_{j/i} DE eat [apples]_i.
‘[They]_j must/didn’t eat [apples]_i [one by one]_{j/i}.’

(Modal/Neg > *yige jie yige*: [MA-ST] √ [MA-OT] √)

b. [tamen]_j [**yige jie yige**]_{j/*i} de bixu/meiyou chi [pingguo]_i.
[they-PL]_j [one-CI following one-CI]_{j/*i} DE must/NEG eat [apples]_i.
‘[They]_j must/didn’t eat [apples]_i [one by one]_{j/*i}.

Based on the above data, we may assume that an SOA NCPNC construction surfaces above the modal/neg while an MA NCPNC construction under the modal/neg, and OT reading would be

ruled out only under SOA reading. Adopting Larson’s (2018) proposal, I argue that the NCPNC construction is base-generated in a V-complement position, whereas *de* behaves like a functional head (“concordializer”) and forces the NCPNC construction to move to its surface position to receive Case through Agreement. Hence, the OT reading is explained by assuming a binding relationship between *yige jie yige de* and the c-commanding object antecedent after reconstruction (3); while ST reading is always available since the subject always c-commands *yige jie yige*. When it moves to the position under the scope of a quantificational element, both subject-targeted and object-targeted reading are allowed (MA-ST, MA-OT; 4b). When it moves across the quantificational phrase, only SOA-ST interpretation is allowed (4a); the OT reading is ruled out due to the lack of reconstruction which would have violated The Isomorphic Principle (Aoun & Li 1989, based on Huang 1982), i.e., Chinese bans the inverse scope reading in the sentence with more than one quantifier.

(3) [TP tamen [SOAP {yige jie yige de}] [ModalP bixu [vP [MAP {yige jie yige de}] tamen chi pingguo [vP chi {yige jie yige de}]]]].

(4) a. *[TP tamen [yige jie yige de]_j [ModalP bixu] [vP chi [pingguo]_j t_i]]. (yige jie yige > Modal, SOA)

b. [TP tamen [ModalP bixu] [vP [yige jie yige de]_j [vP chi [pingguo]_j t_i]]]]. (Modal > yige jie yige, MA)

This study therefore supports the V-complement analysis of manner adverb (Alexiadou 1997; Stroik 1990), as well as Larson’s Agreement-based movement account; and the analysis for its quantificational scopal relationship reflects the scope rigidity of quantifiers in Chinese (C.-T. J. Huang 1982; Lee 1986; Aoun & Li 1989).

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The Interpretation of Mandarin Bare Numeral Phrases: (In)definiteness without Articles

Zeqi Zhao

The interpretation of Bare Numeral Phrases (BNP) is ambiguous between the **quantity(q)-denoting** reading and **individual (i)-denoting** reading (terminology in Li 1998).

(1) Two people can complete the task.

a. The task requires at least two people to be completed.

b. There are two people (e.g., John and Mary) such that they are able to complete the task.

The distinction between the two readings of BNPs can be signaled by whether they bring about the inference that there exist two individuals that satisfy the description.

(2) a. Two people can complete the task, (but sadly we don't have two people).

b. Two people (John and Mary) can complete the task, #(but sadly we don't have two people).

The contrast above is further complicated when the Mandarin data is concerned: with a structure [num-clf-N], Mandarin BNPs in subject positions seem to only allow the q-denoting reading. In order to get the i-denoting reading, the morpheme *you* or *dou* must be inserted overtly.

(3) liang ge ren keyi wancheng renwu

two CLF person can complete task

'Two people are required to complete the task.'

(4) ***you* introduces indefiniteness:**

(you) liang ge ren keyi wancheng renwu

YOU two CLF person can complete task

'**There are two people** who can complete the task.'

contextual anti-uniqueness

(5) ***dou* introduces definiteness:**

liang ge ren (dou) keyi wancheng renwu

two CLF person DOU can complete task

'**The two people** both can complete the task.'

contextual uniqueness

In this talk, I will explore in depth the distribution of Mandarin BNP and how their i-denoting vs q-denoting interpretations are derived; more importantly, how (in)definiteness arises with the insertion of *you/dou*.

Obligatory ‘OV’ in Wu Chinese: a Case-based approach

Zhixian Huang & Andrew Simpson

In many varieties of Wu Chinese, OV order is required in various instances:

- (1) a. *lɛ⁰-tɛɛ⁴⁴ ɛy⁰-vu⁴⁴ tɛy⁴⁴ - ɦɔ⁰ p^{hai}⁵³ *S V O *Wenzhou (Wu)*
old-Zhang cook-burn-PFV dish
Intended: ‘Old Zhang overcooked the dish.’
- b. lɛ⁰-tɛɛ⁴⁴ p^{hai}⁵³ ɛy⁰-vu⁴⁴ tɛy⁴⁴ - ɦɔ⁰ ✓S O V *Wenzhou (Wu)*
old-Zhang dish cook-burn-PFV
‘Old Zhang overcooked the dish.’ (Xie 2023:311)

While Mandarin *optional* OV suggests that objects are fronted for reasons of information structure (Ernst and Wang, 1995, Paul 2005), evidence shows that *obligatory* OV in other varieties of Chinese such as Taiwanese Southern Min and Hakka, is an automatic reflex of syntax (Wang and Wu, 2020). The question then is what properties of syntax account for such patterns?

The paper proposes a Case-based analysis to capture the complex range of patterns found with Jiaxing Wu OV. We show that the crucial properties of obligatory OV are the following:

- A. OV order appears to be required when the verb is combined with certain aspectual suffixes which result in telic interpretations of the predicate. However, there are two significant exceptions, described in (B) and (C):
- B. Obligatory OV occurs with definite objects (names, pronouns, Dem-CL-N) but is not required with indefinite Num-CL-N objects.
- C. Obligatory OV is only required with definite objects which are affected by a telic event, and not with definite objects that are non-affected.

The paper suggests that properties A and B can be accounted for if it is assumed that the combination of verbs with certain aspect markers results in a loss of the availability of Accusative case, so that (most) definite objects are constrained to raise to higher pre-verbal positions for Case. However, an inherent Partitive case is unaffected and remains available to license indefinite objects. Property C suggests that there is a connection between Acc case and affected objects.

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Session 4

(Polar) Question Particles in Marathi

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In Indo-Aryan languages, a polar question is syntactically identical to declaratives, and is marked by final rising intonation and an optional polar question particle. Unlike its counterparts in languages such as Bangla and Hindi-Urdu, two different particles can be employed to mark a polar question in Marathi- each of which is form-identical with a different question word. In this ongoing work, I present a preliminary account of the syntax, semantics, and pragmatics of Marathi polar questions and polar question particles to place them on the larger landscape of question particles in South Asian languages. Given the form-identity of the particles marking polar questions with other question and question-adjacent particles in Marathi, I also explore whether it is possible to provide a unified account of the same. In doing so, I argue that the usage of two different particles to mark polar questions in Marathi is indicative of the language employing two different strategies of marking polar questions.

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Concordant Subject Marking in Mauritian Creole Serial Verb Constructions

Donna Park

A unique feature of Mauritian Creole's Serial Verb Constructions cited in recent literature (e.g. Syea 2013, Muysken & Veenstra 2017) is concordant subject marking. The current work extends those findings by examining the effect of Serial Verb Construction (SVC) type, symmetric or asymmetric, on subject marking, using data collected from native speakers.

In this study, three 25-year-old speakers of Mauritian Creole were presented with three sets of sentences. The sets were distinguished by type of SVC, based on Aikhevald's (2006) categorization of symmetric (all open class verbs) vs. asymmetric (closed semantic or morphological class of one of the verbs) SVCs, as well as by concordant vs. single negation, type of subject (referential or pronominal), and single (1a) vs. concordant subject (1b) marking. One set of SVCs was asymmetric while the other two sets consisted of symmetric SVCs. The difference between the two symmetric sets was a temporal relation (either sequential or simultaneous).

- | | | | | | | | |
|----|----|---|-------------|--------------|-------------|------------|--------------|
| 1) | a) | <i>Mari</i> | <i>pran</i> | <i>balye</i> | <i>koko</i> | <i>bat</i> | <i>Kazer</i> |
| | | Mary | take | broom | coconut | beat | Kaiser |
| | | 'Mary beats the Kaiser with a coconut broom.' | | | | | |
| | b) | <i>zot</i> | <i>pran</i> | <i>balye</i> | <i>koko</i> | <i>zot</i> | <i>bat</i> |
| | | 3PL | take | broom | coconut | 3PL | beat |
| | | 'They beat the Kaiser with a coconut broom.' | | | | | |

asymmetric SVC, Syea (2013; p. 33)

The data collected showed a difference between symmetric and asymmetric SVCs: symmetric ones require concordant subject marking regardless of the type of subject and regardless of negation, and asymmetric ones show optionality of concordant subject marking when the subject is referential and there is concordant negation. These results suggest that parameters for subject marking in SVCs is more complex than was described in Muysken & Veenstra (2017), let alone that of Syea (2013).

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WHX Construction : Non-lexical Intensification and Speaker Constraint

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This study investigates the semantics of "WHX" constructions (e.g., What the hell..?), proposing the-hell elements intensify the speaker's unexpectedness toward a contextually salient situation, which precedes and motivates the utterance. Previous studies have limitations in accounting for "Of-course-John" reading of WHX rhetorical questions (e.g., Who the hell would help Mary?) (Den Dikken and Giannakidou, 2002; Rawlins, 2009; Martin, 2020; Ippolito, 2024). My proposal provides a comprehensive explanation for various usages of WHX construction including the "Of-course-John" reading.

Also, I expand the discussion to 'How-the-hell-is-it?' puzzle. For instance, when my friend tries mint chocolate for the first time and answers it's neither tasty nor not tasty, I might ask, 'How the hell is it?'. Unlike in English, Korean and Japanese restrict the correspondents and requires an evidential or a reportative. I propose this is due to their speaker constraint which restricts addressing others' direct experiences and can be lifted with evidential markers (Tenny, 2006). Also, the speaker constraint in K/J is manifested in WHX constructions since the unexpectedness intensified by the-hell elements is anchored to the speaker. Thus, in order for a WHX construction to be felicitous in languages with the speaker constraint, such as Korean and Japanese, the contextually salient situation must be directly addressable by the speaker.

The study suggests extending Beltrama(2018)'s notion of intensification. Unlike typical non-lexical intensifiers that amplify the speaker's attitude within a sentence, WHX construction relates to the contextually salient situation.

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A Phasal Overflow-Pattern Analysis of Czech Verb Periphrasis

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This poster analyzes the morpho-syntax of the periphrastic past and passive in Czech as an overflow pattern (Bjorkman 2011, Fenger 2020). Building on Fenger's (2020: 63, 287) phase head approach, I propose that under the lack of an aspect phase head, voice functions as a phase head which sends the passive participle to the interfaces before it can move to TenseP. Thus the passive auxiliary gets inserted as a repair mechanism to host the past tense features.

I further argue that the past participle I-stem marks past tense rather than aspect. Since the aspect and voice phase heads remain empty, the I-stem can move to TenseP while the past auxiliary realizes the subject agreement features in a higher projection (Lenertová 2004: 167). This resolves the apparent non-compositionality of the construction (Adam 2024: 94-95) and affirms the claim that the past participle functions as the finite verb of the periphrasis (Bonami & Webelhuth 2021: 90-91, Adam 2024: 93).

Under this analysis, the passive auxiliary comprises a tense head which maps onto the claim of it constituting its own prosodic word and therefore classifying as a copula rather than a clitic (Fried 1994: 165, Lenertová 2004: 141). The past auxiliary by itself, on the other hand, does not form a prosodic word but does so together with the I-stem (Fried 1994: 165, Lenertová 2004: 141) by cliticizing onto it in a specifier position. Through this overflow-pattern analysis I motivate the feature distribution in Czech verb periphrasis through phase boundaries. Further I model the locus of the past tense meaning in the past construction as well as the different pro-sodic word-hood of the auxiliaries in the morpho-syntax.

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Integrating Co-Speech Gestures into Sentence Meaning Comprehension

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Everyday human communication is multimodal; we employ spoken language, facial expressions, and various gestures to express ourselves. These various sources of information streams seem to be smoothly understood by conversation partners, yet it is not fully uncovered, how they are integrated on a cognitive level. Gestures interact with speech in many ways: they facilitate language comprehension, production, and acquisition; they are found to prime or activate internal action representations. We are interested in this latter kind, i.e., iconic co-speech gestures that accompany action verbs and provide detailed information on actions and tools used in comparison to the spoken utterances on their own. We aim to explain how iconic co-speech gestures influence speech processing and to produce a series of experiments, including EEG, to test our models and hypothesis.

To illuminate how the different relationships between iconic co-speech gesture and utterance modulate semantic comprehension during communication, we investigate the semantic predictions generated by the speaker in the listener. Prior EEG research has shown that gestures can modify the N400 component or even elicit a similar effect themselves. In such studies, gestures elicited an N400-like effect when they did not match a preceding video or picture, referred to as N450. Moreover, words as well as pictures elicit an N400 effect when they do not match a preceding (silent) gesture, suggesting that gestures can establish expectations about upcoming linguistic input. The N400-effect has been linked to the computation of semantic content; thus, it can be assumed that gestures at least interact with meaning and possibly carry meaning themselves.

The Role of Semantic Dependency in Preposition Omission

Miriam Schiele

The phenomenon of ellipsis has been a topic of debate for decades. The case of P(reposition)-omission, as in (1B'), serves as a particularly insightful example, where both the processing dynamics and grammatical constraints of ellipsis are at play.

- (1) A: Paul hat mit seinem Bruder auf etwas gewartet.
'Paul waited for something with his brother.'
B: Ja, auf den Zug. B': Ja, den Zug
'Yes, on the train.' 'Yes, the train.'

(own stimulus)

According to Merchant's (2001) generalization, P-omission is licensed in English, but not German. In fact, a general preference for PP fragments (1B) over NP fragments (1B') has been observed in German (Molimpakis, 2019).

Nykiel (2015) suggests that P-omission in English is linked to semantic dependencies between the verb and the preposition. That is, PPs are either obligatorily required as complements to a verb, as in (1), or optional, as in (2) (Hawkins, 2004). In English, NP fragments are highly preferred in the presence of semantic dependencies (Nykiel & Hawkins, 2020).

- (2) A: Paul hat mit jemandem auf den Zug gewartet.
'Paul waited for the train with someone.'
B: Ja, mit seinem Bruder. B': Ja, seinem Bruder.
'Yes, with his brother.' 'Yes, his brother.'

(own stimulus)

The aim of the present study was to investigate whether the presence of semantic dependency enhances the acceptability of P-omission in German. 32 German monolinguals participated in an acceptability judgment task, crossing the DEPENDENCY (required or optional) and FRAGMENT TYPE (PP or NP). Participants' raw ratings were z-scored and analyzed using linear mixed models (LMMs) in R's *lmer*.

German is expected to prohibit P-omission (Merchant 2001). However, the results indicate that P-omission in German is merely degraded rather than ungrammatical. In addition, P-omission was found to be more acceptable in the presence of semantic dependencies. Together, the results suggest that the strength of semantic dependency between a verb and a PP is a more reliable predictor of P-omission than Merchant's generalization.

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On the unreliability of the principle C reconstruction test

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A'-moved constituents reconstruct to their base positions for interpretation (Büring 2005). Whether PP modifiers of nouns reconstruct along with them is controversial (Barss 1988; Freidin 1986; Lebeaux 1988; van Riemsdijk & Williams 1981; Sauerland 1998; Takahashi & Hulsey 2009 vs. Bianchi 1995; Fox 1999; Henderson 2007; Kuno 2004; Lasnik 1998; Safir 1999). Principle C violations are often used to test this: researchers agree that which investigation near Nixon's house did he resent, where the PP is semantically an adjunct, does not yield a violation, allowing for coreference between Nixon and he. On the other hand, whether the two can corefer if the PP is an argument, is unclear. Introspective judgments diverge, and while the body of experimental work has been growing, the studies seem to further fuel the controversy instead of settling it (Adger et al. 2017; Bruening & Al Khalaf 2019; Salzmann, Wierzbica & Georgi 2023; Stockwell, Meltzer-Asscher & Sportiche 2021, 2022). A closer inspection of the principle C test underlying these claims may reveal why: I argue that the logic of the test is flawed due to overlooking the difference between coreference and proper binding (Sag 1976; Reinhart 1983; Heim & Kratzer 1998). If only binding requires c-command, while two NPs referring to the same entity do not require any syntactic relation to hold between them, the lack of clarity in both introspective and experimental data follows naturally (Reinhart 1983). Based on novel experimental work, I show that the outcome can be manipulated via the experimental task and item structure, in line with work arguing for the importance of non-syntactic factors (cf. Gor 2020; Temme & Verhoeven 2017; Varaschin, Culicover & Winkler 2023). I argue that the principle C reconstruction test does not probe into underlying syntactic structures and that it is inadequate for establishing the properties of movement dependencies.

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Negation in Jing-le Chinese

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Introduction: Mandarin Chinese possesses two negation forms in declarative sentences: *meiyou* ‘not’ and *bu* ‘not’. Scholars such as Ernst (1995), Lin (2003), and Chen and Pan (2017) have analyzed the aspectual sensitivity of negation in Mandarin Chinese. Building upon the existing analysis of negation with aspectual interaction in Mandarin, this report introduces two negation forms found in Jing-le Chinese, a subgroup of Chinese. These two forms are *məŋ* and *pə*, can be roughly considered as the counterpart of Mandarin *meiyou* and *bu* respectively.

Picture of Core Analysis: Like the negation in Mandarin, *məŋ* and *pə* also exhibit sensitivity to aspect. However, this report attempts to argue that *məŋ* is sensitive to viewpoint aspect, while *pə* is sensitive to situation aspect. Correspondingly, this report argues that *məŋ* is a tense morpheme in negative sentences, resulting in its spell-out in T. Its sensitivity to viewpoint aspect is realized through its complement-sectional property, specifically, *məŋ* selects AspP as its complement. On the other hand, *pə* is not a functional head but rather functions as an adverb that adjoins to vP/VP. Its sensitivity to aspect is realized through a spec-head relation. The proposal of two negation forms in different syntactic projection layers can effectively account for the co-occurrence and order directionality of the two negations.

Remarks and Puzzles: The head vs. adverbial analysis of negation is reminiscent of Zanuttini's (1996) analysis of negation in Romance languages. Furthermore, the examination of negation in Jing-le Chinese offers valuable insights into the intricate interplay between tense, negation, and aspect. This report also highlights intriguing puzzles, with a notable one being the connection between the adverb *pə* and present time reference in the default context of Jing-le Chinese, as well as similar observations with *bu* in Mandarin, which warrant further investigation and exploration.

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Same Type of Comparatives, But with Different Semantics

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I. Introduction Chinese is categorized as having a positive setting for the ‘Degree Semantics Parameter’, i.e., [+DSP] (Beck et al. 2009). This parameter predicts that Chinese allow for a direct comparison with a degree (e.g., a measure phrase (MP) like 180cm). However, Chinese adjectival *bi*-comparatives disallow MPs to serve as the standard of comparison, as in (1). It seems that degrees are accessible in some configurations, but not in others. Interestingly, the presence of appropriate discourse contexts would allow MPs to be the standard of comparison.

II. Core Data

(1) a. Bare *bi*-Comparatives

Zhangsan	bi	Lisi/(*180-gongfen)	gao(*-chu).
Zhangsan	BI	Lisi/180-cm	tall-beyond

‘Zhangsan is taller than Lisi.’/* ‘Zhangsan is taller than 180cm.’

b. Differential *bi*-Comparatives

Zhangsan	bi	Lisi/(*180-gongfen)	gao(-chu)	5-gongfen.
Zhangsan	BI	Lisi/180-cm	tall-beyond	5-cm

‘Zhangsan is 5cm taller than Lisi.’/* ‘Zhangsan is 5cm taller than 180cm.’

However, if a specific context is provided, such as A and B being PE teachers discussing Zhangsan’s height, the MP in (1) may be permitted to serve as the standard of comparison.

III. The Main Proposal *First*, built on Bale (2006), Wellwood (2015), and Schwarzschild (2020), I posit that comparatives makes use of quantification over scalar segments, parts of a scale. A segment is a connected region ordering equivalency classes (E), whose ordering base is states held by individuals. Each E is linearly ordered and comprises a set of states. *Second*, bare *bi*-comparatives access equivalency classes of sets of states, and differential *bi*-comparatives access degrees indirectly via a functional morpheme, thereby precluding degree-denoting MPs to be the standard of comparison. *Third*, when an MP serves as the standard within an appropriate discourse context, the internal structure of the standard clause is not a bare MP, but a relative clause.

Comparative Construction in Formosan Languages

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Comparative construction has been widely discussed cross-linguistically (Beck et al., 2009; Hohaus, 2018; Bhatt & Takahashi, 2011). However, not many studies have focused on Austronesian languages. To address this gap, this project investigated the comparative construction in four Formosan languages: Amis, Saisiyat, Bunun, and Paiwan. Interestingly, despite shared similarities, the strategies they adopted to express comparative ideas are quite different. Based on the degree parameters proposed by Beck et al. (2009), this project suggests that, unlike Amis, Saisiyat, and Bunun, Paiwan has positive settings on [+DSP] and also allows Degree Questions and Measure phrases. However, it does not have a clear scope mechanism. According to Beck et al. (2009), the discovery of this kind of language may falsify their proposal.

Besides the challenge Paiwan may pose to the current theory, the presence of comparative and superlative morphemes is also unique among Formosan languages. Unlike typical comparative languages with comparative and superlative morphemes, such as English, which can have a superlative meaning when the comparative construction involves Negative Polarity Items like "anyone," the counterpart in Paiwan is restricted to the superlative form when forming such expressions. This finding suggests there might be a form-meaning mismatch in the superlative construction in Paiwan.

This study aims to provide an overview of the comparative construction of Formosan languages to fill the gap in current studies and offer a preliminary analysis to explain why Paiwan shows a distinct pattern contrary to current theories and provide empirical data to argue that the superlative construction in Paiwan may be a pragmatic mechanism instead of morphosyntactic structure.

Keywords: Austronesian languages, comparative construction, degree semantics

On the At-issueness of Ideophones in Vietnamese: An Experiment

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Recently, some new data regarding the at-issueness of ideophones has been published; this research suggests that the at-issue status of ideophones is lower than comparable adverbials for German and English (Barnes et al., 2022). These two languages may be considered non-prototypical; the findings are not consistent with a similar experiment conducted for Akan (Asiedu et al., 2024), a language in which ideophones are more commonly used in everyday speech. The results of the second experiment suggest that ideophones may be just as at-issue as adverbial constructions in such prototypical ideophone languages.

Our study design is a replication of an experiment which has been adapted from Barnes et al. (2022) and Asiedu et al. (2024), which in turn have been adapted from Ebert et al (2020), to Vietnamese which is a language that may also be classified as a prototypical ideophone language, like Akan. Our aim is to provide further data and to test the findings of the experiment conducted for Akan regarding the at-issue status of ideophones in prototypical ideophone languages and to provide another data point on the status of ideophones and their (non-)at-issueness in general.

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