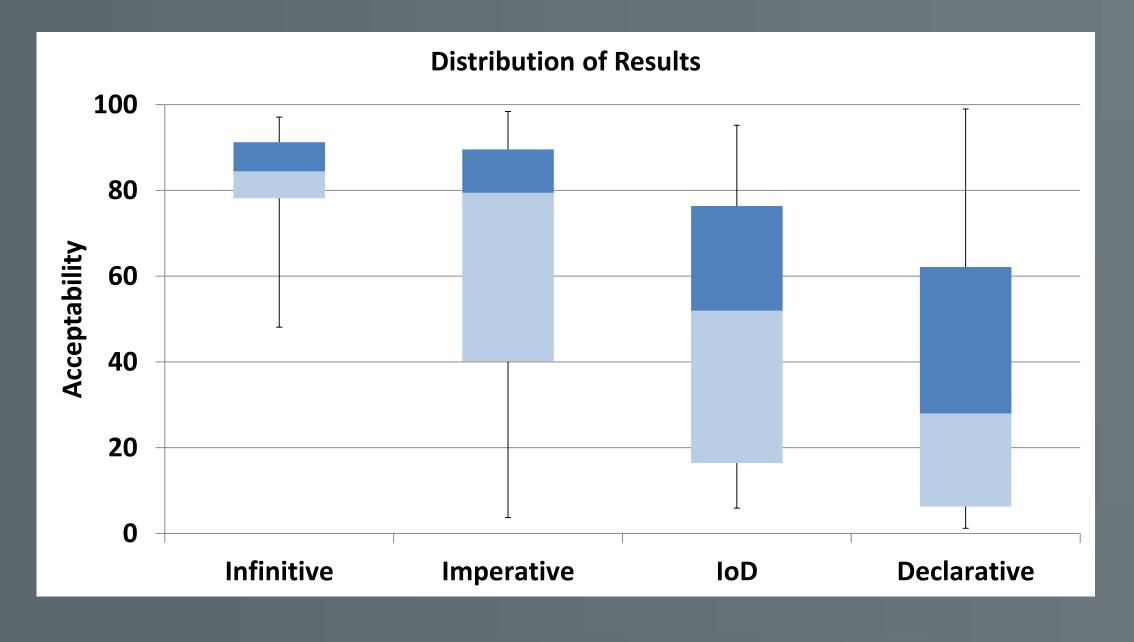
Argument Omission between Valency and Construction Evidence for Sentence Type Effects from Acceptability Rating Studies

Argument omission (AO) is defined as the non-realization of arguments that are governed by the verb in non-elliptical contexts.				
Central Hypotheses				
H1 The possibility to omit arguments, (also) depend selects the arguments [1].	ds on the verb which			
[Context: Klara´s phone is ringing.] <i>Klara nimmt (den Hörer) ab.</i> 'Klara picks up (the receiver).'				
[Context: Udo hands Klara the shopping basket.] <i>Sie nimmt *(den Korb).</i> 'She takes (the basket).'				
H2 The possibility to omit arguments, (also) depends on the sentence type in which they should be realized [2].				
[Context: Udo hands Klara the shopping basket.]				
Udo: "Sofort [?] (den Korb) nehmen!" "Take [?] (the basket) immediately!"	directive infinitive			
Udo: "Nimm mal (den Korb)!" "Take (the basket)!"	directive imperative			
Udo: "Nimm (den Korb) oder ich gehe nach Hause." "Take (the basket) or I'll go home."	imperative + or + declarative (IoD)			
<i>Klara nimmt *(den Korb).</i> Klara takes *(the basket).	assertive declarative			

	infinitive	imperative	loD	declarative
mean	82.7%	63.7%	48.3%	36.6%
range	49	94.7	89.3	97.8
standard deviation	10.7	31	30.8	32



Example einschalten (to switch sth. on) [mean acceptability 64.8%] directive infinitive [88.5%] [Context: A couple in their car: She says:] Schnell das Radio einschalten! 'Quickly, switch on the radio!' directive imperative [89.7%] [Context: A couple in their car. She says:] Schnell, schalt das Navigationsgerät ein! 'Quickly, switch on the navigation system!' IoD [52.9%] [Context: A man returns to his office during a hot summer and sees that his colleague has switched off the ventilator. He says:] Schalt den Ventilator-wieder ein, oder ich bekomme einen Hitzschlag! 'Switch the ventilator back on, or I will suffer a heat stroke!' assertive declarative [28%] [Context: A couple after dinner. He says:] Ich schalte den Geschirrspüler ein. 'I switch on the dishwasher.'

Robert Külpmann, M. A. Vilma Symanczyk Joppe, M. A.

(kuelpman@uni-wuppertal.de) (symanczyk@uni-wuppertal.de)

- A sentence type is a conventional pairing of a sentence form and an illocution [3].
- Sentence types of German differ in tht position of the finite verb, the verb mode and the prsence of a *wh*-element.
- Under sentence type effects, we understand the influence of a sentence type on the (non-)realization of a verb's arguments in the respective sentence type.

Primary Sentence Type Effect

We are dealing with a primary sentence type effect (PSTE) if a sentence type determines directly whether and which arguments can be omitted independently from the choice of the verb and independently from the possibility of AO in other sentence types. To argue for a PSTE in the data, we had to show that

the results in the respective sentence type were not influenced by the verb and

Validation of (a1)

Correlation of mean acceptability values of all verbs across all four sentence types (MV) with the results of all verbs in the respective sentence type (RES). For a PSTE, there should be no significant correlation.

Secondary Sentence Type Effect

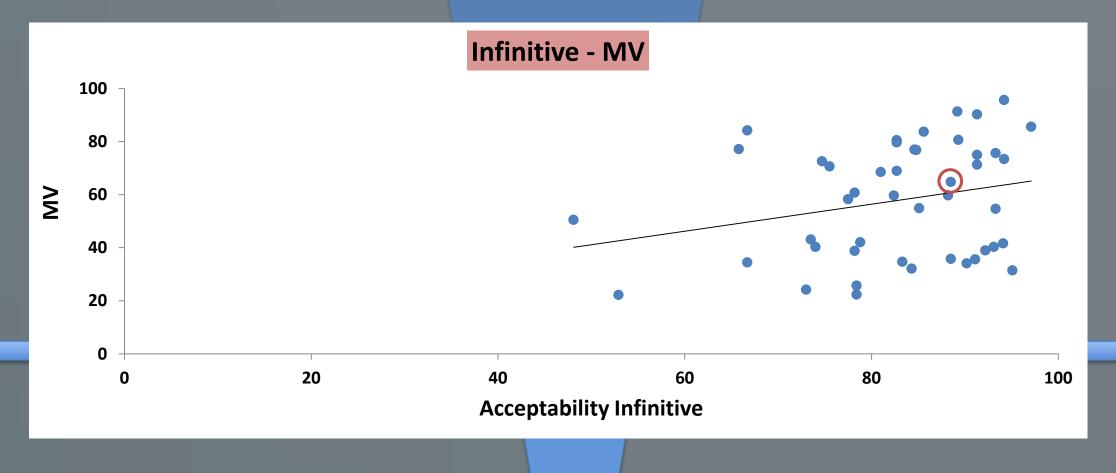
We are dealing with a secondary sentence type effect (SSTE) if the verb has a large influence on AO in the respective sentence type and there is also a systematic relationship between the AO behaviour in the respective sentence type and the AO behaviour in at least one other sentence type. To argue for a SSTE in the data, we had to show that

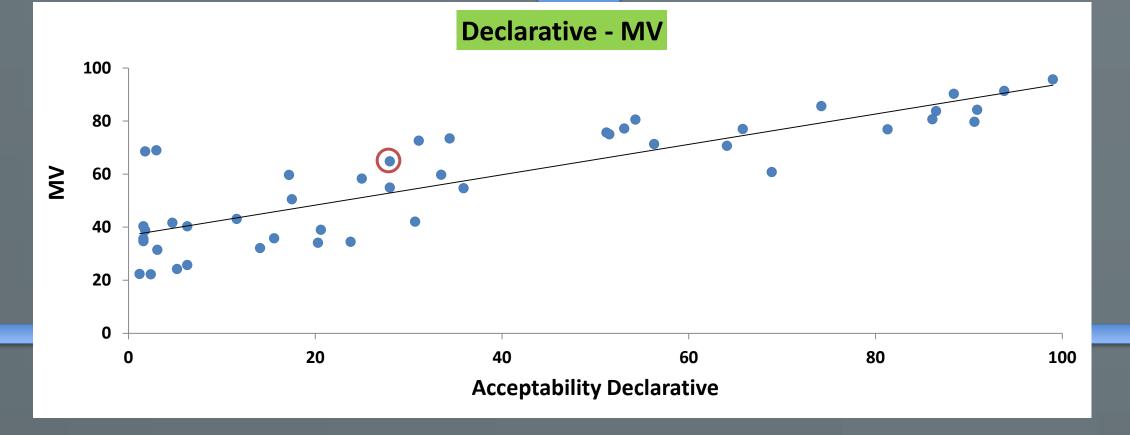
(b1) the verb has an influence on an argument's omissibility and

Validation of (b1)

Correlation of mean acceptability values of all verbs across all four sentence types (MV) with the results of all verbs in the respective sentence type (RES). For a SSTE, there should be a significant correlation.

RES _{INF} – MV	RES _{IMP} – MV	RES _{IOD} – MV	RES _{DECL} – MV	
0.239	0.9	0.864	0.851	
44	44	44	44	
0.109	0	0	0	
no	yes	yes	yes	
	0.239 44 0.109	0.239 0.9 44 44 0.109 0	0.2390.90.8644444440.10900	





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(a2) the results for this sentence type were independent from the results for other sentence types.

Validation of (a2) Correlation of RES of each sentence type with the RES of the other sentence types.

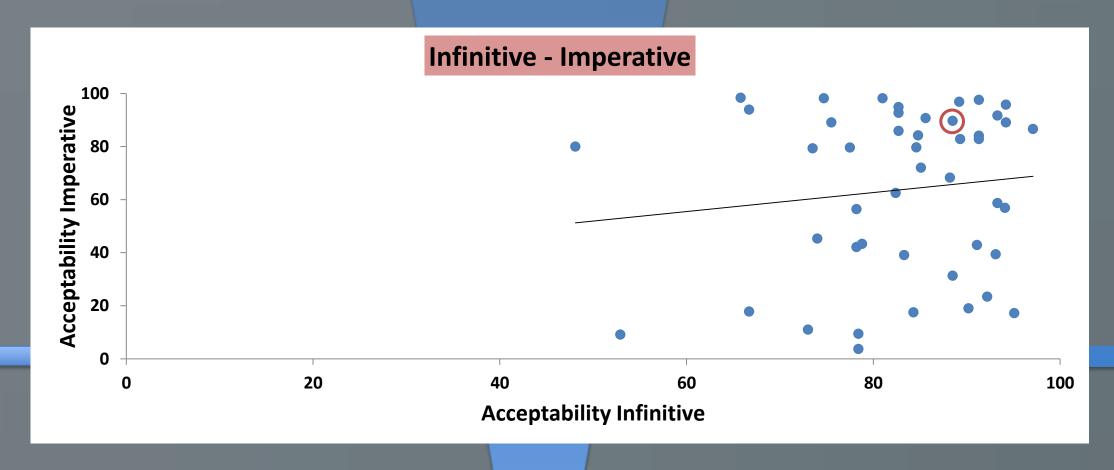
For a PSTE, there should be no significant correlation between the sentence type in question and any of the other sentence types.

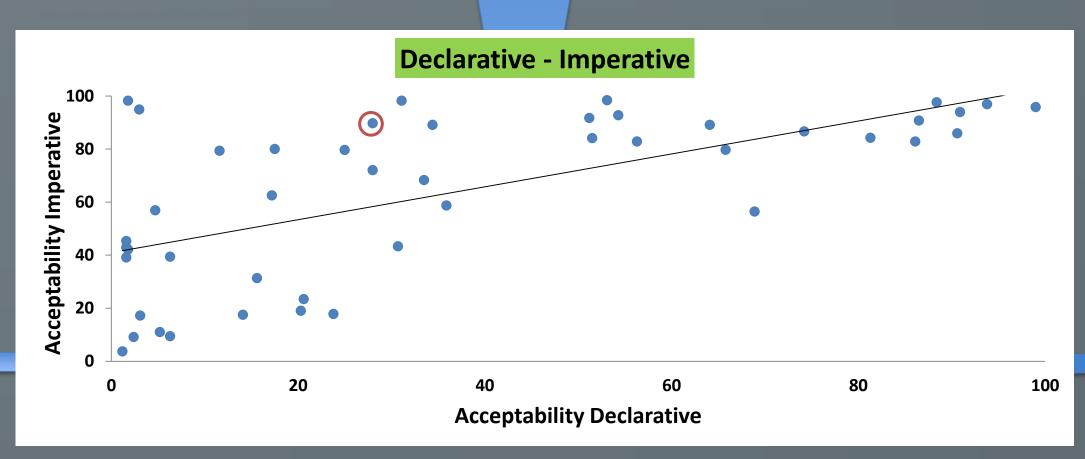
(b2) the results for this sentence type are related to the results of at least one other sentence type.

Validation of (b2) Correlation of RES of each sentence type with the RES of the other sentence types.

For a SSTE, there should be a sgnificant correlation between the sentence type in question and at least one of the other sentence type.

	INF – IMP	INF – IoD	INF – DECL	IMP – IoD	IMP – DECL	IoD – DECL
r _s	0.089	0.028	0.224	0.891	0.63	0.602
df	44	44	44	44	44	44
р	0.558	0.855	0.135	0	0	0
Results influenced by lexeme?	no	no	no	yes	yes	yes







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Conditions of the Study

- from 6/2013 today
- ca. 1,100 participants
- ca. 500 test items
- **12 different questionnaires**
- pseudo-anonymous/pseudo-randomized
- 10 minutes written and oral instruction
- 2x10 minutes to work through the questionnaire
- in between the test phases solving math problems
- only native speakers
- binary judgements: acceptable (yes) unacceptable (no)
- test items were given in contexts
- contexts suggest every day oral communication
- Participants were asked to judge the test sentences (underlined) in the given contexts

Grammatical Modeling

We suggest an analysis based on a division of labor between valency and constructions [4]:

- directive infinitive is analyzed as a sentence type
- construction directly determining the possibility to omi arguments [2]:
- omitted direct arguments are still syntactically active optional nominative NPs aren't subjects
- non-finite independent main clause

results of assertive declarative sentences should be analyzed as verb-dependent:

- heterogeneity of RES_{DECL}
- declarative is the most conservative sentence type with respect to AO

imperative forms are considered *mini-constructions* [5]

direct determination of syntactic context (V1)

- several idiosyncrasies of imperative forms
- imperative forms do not belong to the regular inflectional paradigm of a verb
- vowel gradation in strong verbs
- realization of word final schwa

oDs are a complex sentence type that belong to a amily of asymmetric conjunctions (imperative declarative conjunctions cf.

- multiple factors may play a role on AO in IoDs
- influence of imperative forms processing efforts due to the complexity of the
- construction
- more marginal status of this sentence type

References

- [1] G. Zifonun et al., Grammatik der deutschen Sprache, vol. 2. Berlin/New York: de Gruyter, 1997. [2] J. Jacobs, "Satztypkonstruktionen und Satztypsensitivität," Satztypen und Konstruktionen im Deutschen, R. Finkbeiner and J. Meibauer, Eds. Berlin: de Gruyter, in press. [3] H. Altmann, "Satzmodus," Syntax. Ein internationales Handbuch zeitgenössischer Forschung, 1. Halbband, J. Jacobs, A. von Stechow, W. Sternefeld, and T. Vennemann, Eds. Berlin/New York: de Gruyter, 1993, pp. 1006-1029. [4] J. Jacobs, "Wozu Konstruktionen?," in Linguistische Berichte 213, 2008, pp. 3-44. [5] H. C. Boas, "Determining the structure of lexical entries and grammatical constructions in construction grammar," in Annual Review of Cognitive Linguistics 6, 2008, pp. 113-144.
- 6] R. Külpmann and V. Symanczyk Joppe, "Argument Omission in imperative declarative conjunctions," unpublished, 2015.

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Argumentweglassung zwischen Valenz und Konstruktion (Argument Omission between Valency and Construction)