



Universiteit
Leiden
The Netherlands

Not another book on Verb Raising

Dros, L.D.H.

Citation

Dros, L. D. H. (2018, February 7). *Not another book on Verb Raising*. LOT dissertation series. LOT, Utrecht. Retrieved from <https://hdl.handle.net/1887/60910>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/60910>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/60910> holds various files of this Leiden University dissertation.

Author: Dros, L.D.H.

Title: Not another book on Verb Raising

Issue Date: 2018-02-07

Not another book on Verb Raising

Published by

LOT

Trans 10

3512 JK Utrecht

The Netherlands

phone: +31 30 253 6111

e-mail: lot@uu.nl

<http://www.lotschool.nl>

Image credit: Ans Haggeman-De Jong

ISBN: 978-94-6093-271-7

NUR: 616

Copyright © 2018 by Lotte Dros-Hendriks. All rights reserved.

Not another book on Verb Raising

Niet nog een boek over ‘Verb Raising’

(met een samenvatting in het Nederlands)

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof.mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op woensdag 7 februari 2018
klokke 16.15 uur

door

Lotte Diana Herma Hendriks

geboren te Arnhem
in 1986

Promotores: Prof. dr. L.C.J. Barbiers
Prof. dr. H.J. Bennis, De Nederlandse Taalunie

Promotiecommissie: Prof. dr. L.L. Cheng
Prof. dr. M. Bader, Goethe Universität Frankfurt
Dr. J. van Craenenbroeck, KU Leuven
Dr. M. Salzmänn, Universität Leipzig

To Vincent
for whom I would have put some dragons in

To my parents
for not giving me a pony

*...and to those bits of magic ***

Contents

Acknowledgements	xi
Abbreviations used in this dissertation	xiii
1 Preface	1
1.1 Introduction	1
1.2 General relevance of this dissertation	5
1.3 Outline of the chapters	7
2 The strengths and weaknesses of previous theories	11
2.1 Introduction	11
2.2 Deriving verb clusters in existing approaches	12
2.3 Property (i): multiple orders of verbs in a cluster can be observed within a single language variety	17
2.4 Property (ii): in three-verb clusters, only one order (the 2-1-3 order) does not occur	23
2.5 Property (iii): the 2-3-1 order is only attested with certain verb types	28
2.6 Property (iv): the distribution of the remaining orders depends on the types of verbs involved	31
2.7 Property (v): the different orders are semantically and pragmat- ically equivalent	32
2.8 Property (vi): the word order variation in these languages con- trasts with a rigid ordering in the nominal domain	34
2.9 Intermediate conclusions	36
2.10 Property (vii): the observed orders of verbs exhibit clear geo- graphic patterns	37
2.10.1 The 1-3-2 and the 3-1-2 orders occur in ascending gram- mars	38
2.10.2 The 1-3.INF-2 order occurs only in border varieties as a secondary order	39

2.10.3	The 1-3.PTCP-2 order, particle incorporation and verb cluster interruption	40
2.10.4	Verb cluster interruption	42
2.11	Conclusion	44
3	Merging verb cluster variation	45
3.1	Introduction	45
3.2	Verb cluster formation	46
3.3	Two-verb clusters	48
3.4	Three-verb clusters	49
3.4.1	Clusters with two modal auxiliaries	51
3.4.2	Clusters with a modal auxiliary and a perfect auxiliary	52
3.4.3	Clusters with a perfect auxiliary and an aspectual auxiliary	54
3.4.4	A comparison of the three types of 3-verb clusters	55
3.5	The analysis of the order in the verb cluster	55
3.5.1	The order 2-1-3 does not exist (50i)	56
3.5.2	The order 3-1-2 does not exist (50vi)	56
3.5.3	The order 2-3-1 does not exist (50iv)	62
3.5.4	The orders 1-2-3 and 3-2-1	64
3.6	The order 1-3-2	67
3.6.1	Participles	67
3.6.2	Nominalization	73
3.6.3	Summary of 1-3-2	78
3.7	Verb cluster intuitions	79
3.7.1	Method	80
3.7.2	Scores for verb cluster orders	81
3.7.3	Familiarity	83
3.7.4	Grammar	85
3.7.5	2-3-1 and 2-1-3	85
3.7.6	1-2-3 and 3-2-1	86
3.7.7	3-1-2 and 1-3-2	86
3.8	Summary & conclusion	87
3.8.1	Summary	87
3.8.2	Conclusion	91
4	Factoring verb clusters	93
4.1	Introduction	93
4.2	The diverse ideas on language processing	95
4.2.1	Intervening material makes processing harder	95
	<i>Crossed and nested dependencies</i>	95
	<i>The number of intervening words</i>	96
	<i>The number of intervening discourse-referring items</i>	98
4.2.2	Intervening material can make processing easier	100
	<i>Perception or production</i>	101

	<i>Global or local costs, and normativity</i>	101
	<i>The types of elements involved</i>	102
	<i>The complexity of the clause</i>	103
4.2.3	Summary	103
4.3	Processing verb clusters	104
4.3.1	Locality effects	105
	<i>Hawkins' minimal domains</i>	105
	<i>Hawkins' minimal domains + Haider's scope preference</i>	108
	<i>Bach et al.'s multiple dependencies</i>	109
	<i>Gibson's costs of integration and storage</i>	110
4.3.2	Antilocality effects	112
4.3.3	The language users' expectations	113
4.3.4	A usage-based processing model	115
4.3.5	Intermediate conclusion	117
4.4	Language processing as a Third Factor	118
4.5	Summary and discussion	122
5	Verb cluster interruption	125
5.1	Introduction	125
5.2	The underlying structure	128
5.2.1	Non-interrupted orders via movement of XP?	130
5.2.2	Interrupted orders via movement of the auxiliary?	134
5.2.3	Base-generating all orders	136
5.3	Verb cluster interruptions by adverbs	137
5.4	The extent of free merge	143
5.5	Deriving the position of adverbs in previous approaches	146
5.5.1	The position of adverbs in a fixed head-initial base order	146
5.5.2	The position of adverbs in a fixed head-final base order	148
5.5.3	A lexicosemantically based position of adverbs	149
5.5.4	The position of adverbs in a PF inversion approach	150
5.6	The restrictions on VCI in NL Dutch	150
5.7	A transition zone	153
5.8	Conclusion	156
6	Conclusion	157
6.1	Summary and discussion	157
6.2	Theoretical contributions	165
6.3	Prospects for future research	166
	Appendices	169
A	Applying Hawkins' theory to the data	169
B	Search using PaQu	173
C	Acceptability judgements on adverbs inside the verb cluster	175
	Bibliography	177

Samenvatting in het Nederlands	191
Introductie	191
Niet nog een boek over werkwoordclusters	193
Eerdere theorieën	195
De nieuwe theorie	198
De patronen	201
Taalverwerking	204
Doorbreking van het werkwoordcluster	205
Curriculum Vitae	209

Acknowledgements

This dissertation cost me *many* lonely hours, but it truly was a joint effort.

First, I thank my supervisors Sjef Barbiers and Hans Bennis for their guidance and support. You taught me so much. Thank you for your time and effort.

I thank the members of the committee, Lisa Cheng, Markus Bader, Jeroen van Craenenbroeck, and Martin Salzmann for reading and approving the manuscript.

I further thank the informants from the Meertens Panel, and the Meertens Panel technicians for their help. A huge thanks to Magda Devos and her friends. Magda, you said that it is an unwritten rule that linguists should help each other, but you helped me more than any rule could dictate!

I thank Edoardo, Erik, Etske, Mirella, Nina, and Varun for making *Het Bureau* so much fun. Thanks to all of my colleagues for always being around for a chat. In particular: Marc van Oostendorp, Hans Broekhuis, Gertjan Postma, Leonie Cornips, Lidy Jansen and Tineke Tegelaers. I thank Marjo van Koppen, who got me interested in syntax. I look back at many great syntax classes with Anna, Evelien and Joska. Thanks to Cora, Dominique, Erin, Franca, Heidi, Jolien, Jorik, Marko, Mirjam, Myrthe, and Sylvia for the many great talks about our research. A huge thanks to Heidi for proofreading my manuscript. Alexis Dimitriadis, thank you for writing the template for this dissertation.

During my time in Philadelphia, I was fortunate to have Charles Yang as my advisor. Thank you Charles, for your time and advise.

A wise person told me my dissertation would not be finished until I didn't enjoy working on it anymore. Roberta, I hope you will enjoy this unfinished book.

Finally, I am very grateful to my friends and family. Mum, you are the sweetest, most genuine person on earth. I always love to hear people say I look like you. *Daddy*, I love how you read everything I have written. You can add 'linguist' to your list of skills.

I am blessed with an extra set of parents. Esther, I love your welcoming presence and your cooking skills. Martin, you are always there for us, just a call away. Thank you both for being a part of my life.

Sanne, I love you and I am so happy to have you as my sister. You and Remko always make me feel like I'm *at Joey's*! Jan, I have always looked up to you and still do. You and Babs are both such strong and sweet people. Nanda, Piet, Bente, Colin, Sanne, Dennis, Richard and Priscilla, thank you all for always being so welcoming. Anna, Roos, Sem, Stijn, Sophie, Olivier and Philou, I love you and I am so proud of all of you. Edgar, my story-telling skills are not half as good as yours, but I hope you will appreciate this book anyway. I thank my friends, who could make me forget about my dissertation (which they considered a good thing): Juliette, Esther, Rachel, Yvette, Maddy, Marjolein, Relinde, Nadia, Maritt, Marjoleine, Emma, and *Le Garage complet*. And of course Merel, who is there whenever I need an escape!

My deepest acknowledgement goes to my husband Vincent, for being my rock, and for those bits of magic.

Abbreviations used in this dissertation

A	.....	adjectival
ADJ	.....	adjective
ADV	.....	adverb
AFF	.....	affirmative adverb
ASP	.....	aspectual auxiliary
AUX	.....	perfective auxiliary
DP	.....	demonstrative phrase
EXPL	.....	expletive pronoun
FIN	.....	finite verb
INF	.....	infinitive
IPP	.....	Infinitivus-Pro-Participio
LF	.....	Logical Form
MOD	.....	modal auxiliary
N	.....	noun
NP	.....	noun phrase
OBJ	.....	object
OV	.....	the order object-verb
P	.....	preposition
PERF	.....	perfect auxiliary

PF	Phonetic Form
PP	prepositional phrase
PREF	prefix
PTCL	particle
PTCP	participle
RC	relative clause
REL.PRON	relative pronoun
RES	resultative phrase
SOV	the order subject-object-verb
SVO	the order subject-verb-object
SUBJ	subject
UG	Universal Grammar
V	verb
V2	verb second
VCI	interruption of the verb cluster by non-verbal material
VO	the order verb-object
VP	verb phrase
QP	quantifier phrase
WH-WORD	question word