The clausal manifestation of L2-German advancedness: A functionally oriented longitudinal study

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Overview

- 1. Background of study and its place within scholarship on L2 writing
- 2. Explication of theoretical framework
- Specification of the educational setting
- 4. Presentation of results from longitudinal study on writing development
- 5. Discussion of results' relevance for understanding advancedness

1. The Research Context: Collegiate FL Instruction in the U.S.A.

- Four years of university study, from beginning to advanced
- Limited contact hours (45-75 per semester)
- Traditional focus at the lower levels on "language" within a communicative language teaching framework
 - 2-4 semester language requirement contributes majority of lower-level enrollment; noticeable attrition after completion of requirement
- Subsequent focus at the upper levels on "content", i.e, literary and cultural studies

Goal of study

To contribute to a more differentiated understanding of advanced L2 writing, particularly its gradual development in instructed settings

L2 writing research I

- Advancedness
 - Varied operationalizations
 - Institutional status / Program level
 - Test scores
 - "Native-like" ability
 - Facility with late-acquired language features
 - Increasing incidence, variety, and length of clauses yet reduced number of clauses
 - Challenges in comparing data
 - Lack of theoretical framework

L2 writing research II

- Gradual development of advancedness, i.e., longitudinal studies
 - Different research designs (Ortega & Iberri-Shea, 2005):
 - Quantitative research
 - Descriptive-quantitative studies
 - Programmatic longitudinal studies
 - Instructional effectiveness studies
 - Qualitative research
 - Sociocultural SLA studies
 - Longitudinal ethnographies of L2 learners

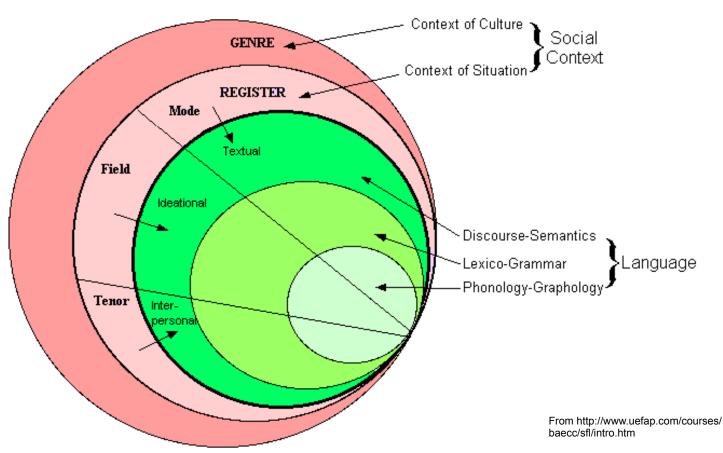
BUT predominance of cross-sectional studies

L2 writing research III

- Development of advancedness in instructed settings, i.e., curriculum-based learning trajectory
 - Different settings:
 - ESL, EFL, FL
 - University Secondary Primary
 - Study abroad
 - Different data elicitation
 - Curriculum-independent writing prompts
 - Time-constrained writing assignments
 - Take-home writing assignments

BUT very few U.S. collegiate FL contexts and even fewer from a programmatic perspective

2. Systemic Functional Linguistics I



LEVELS OF COMMUNICATION: DISCOURSE-SEMANTICS

Systemic Functional Linguistics II

Metafunctions of language:

- Interpersonal metafunction mood and modality
- Textual metafunction theme/rheme
- Ideational metafunction

clause complex transitivity

- » Experiential
- » Logical

Systemic Functional Linguistics III

Categories of the ideational metafunction:

Expansion of meaning through:

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Expands meaning through apposition, clarification

Extension: → addition, variation

Enhancement: → spatio-temporal, manner, causal-conditional
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Projection of thoughts/speech

Compact and **dispersed** realizations

Educational setting: Georgetown University German Department (GUGD)

- Highly selective private university with strong tradition of language and linguistic study
- Unique integrated four-year, content-oriented, genre-based undergraduate curriculum
- Articulated curricular and pedagogical practices for the development of advanced competencies

Data source I

- 14 learners who completed three consecutive curricular levels:
 - Level II: telling personal stories about contemporary issues in the German-speaking world
 - <u>Level III</u>: framing personal stories in public events and histories, 1945-present
 - Level IV: "reading" discourses of contemporary public life
 - "Students begin to develop the kinds of literacy abilities that are at the heart of summarizing, interpreting, critiquing, presenting and substantiating an opinion or argument, and practice these orally and in writing. Such language use is critical for study abroad as well as any other professional context in which the German language is used." (Developing multiple literacies)

Data source II

- End-of-level prototypical performance writing tasks (PPTs)
 - Curriculum-dependent and pedagogy-embedded tasks that reflect content and language focus of particular level
 - Detailed task sheet divided into 3 categories
 - Task appropriateness
 - Content
 - Language focus
 - Rough draft submitted to corpus

Overview of PPTs

Thematic Focus	Textual Focus	Audience
Level II Imaginative treatment of personal relationships [Alternative Ending to the Novel "The Story of Mr. Sommer"]	Placing narration about personal lives into the context of a literary work, literary conventions	Personal and public
Level III Multicultural lives in contemporary German [Journalistic treatment "At home in Germany? A Portrait of a Vietnamese Family"]	Placing personal experiences into a broader social context	Public
Level IV Germany's role in the EU; creation of a constitution [European Union and the United States: comparisons and lessons'']	Making an argument about social, political, economic developments in societies	Public

Previous GUGD-based writing research (Byrnes, et al. 2005)

- Cross-sectional syntactic analysis of 86
 participants who completed curriculum dependent PPTs and curriculum-independent
 Baseline Writing Tasks (BWTs)
- Analysis of
 - Mean length of T-Unit (MLTU)
 - Mean length of clause (MLC)
 - Clauses per T-Unit (CTU)
- Analogous developmental patterns on both tasks
 ⇒ Changes in syntactic complexity are related to
 learner development via the curriculum, i.e.,
 refutation of task effect

4. Treatment of data

- No SFL grammar of German
 - Steiner and Teich 2004
 - Eggins 2004, Halliday and Matthiesen 2004
- Clause coding (double coding)
 - identification and computation of clauses (complexing, taxis and logico-semantics)
- Transitivity coding (double coding, double checking)
 - identification and computation of processes and participants

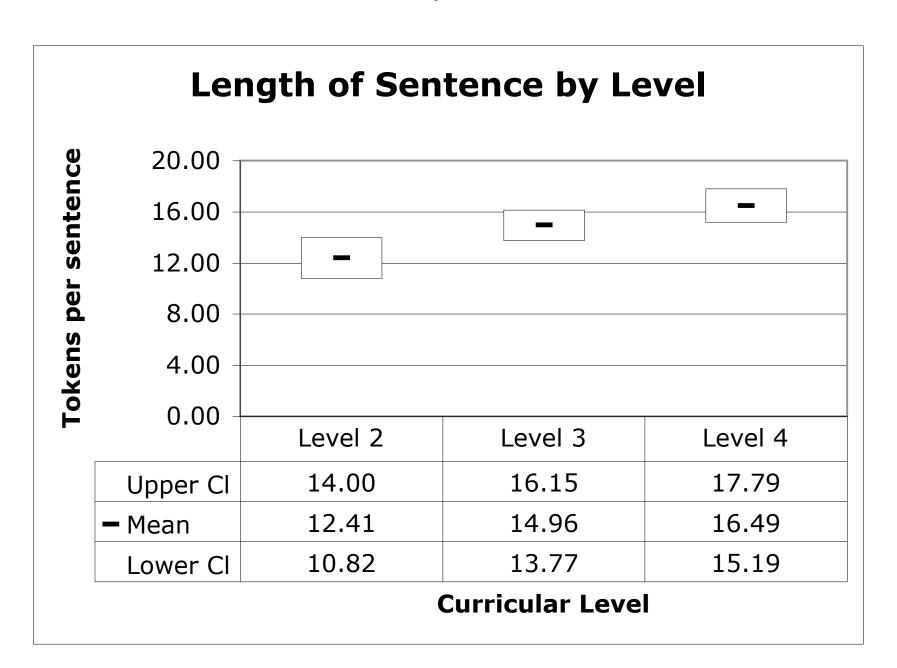
Clause types

- Clause = A grammatical unit that includes a predicate and an explicit or implied subject, and expresses a proposition.
- Clause simplex = A sentence of only one clause
 - Wir liefen bis Morgen, in den Wald, in die Heide, überall. (We ran until morning, into the woods, in the heath, everywhere)
- Clause complex = A sentence of more than one clause
 - Ich war sehr m\u00fcde, als wir in ein kleines Dorf in den Gebirgen kamen. (I was very tired when we arrived in a small town in the mountains)
 - Er klopfte viele Male und endlich kam eine alte, m\u00fcde Frau. (He knocked many times and finally an old, tired woman came)
- Embedded clause = Clauses functioning at "phrase/group rank"
 - Wenn man die Familie Ngoc zu Hause in Berlin besucht, findet man eine Mutter und Tochter, {{die sich sehr gut in der deutschen Gesellschaft integriert haben}}. (When one visits the Ngoc family in Berlin, one finds a mother and daughter who have integrated themselves very nicely into German society)

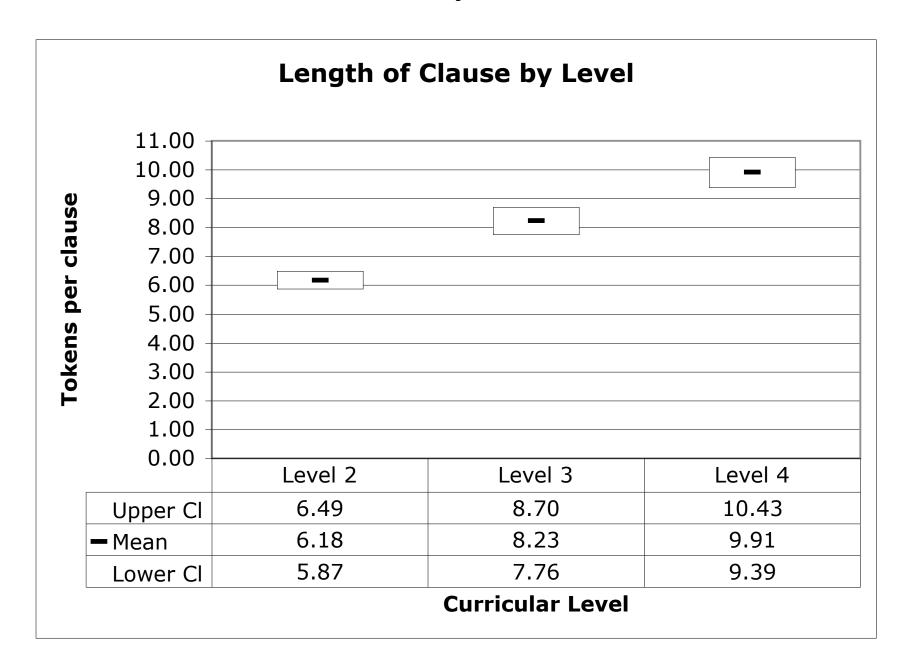
Clause analysis I

- Mean length of sentence
- Mean length of clause
- Lexical density (= content words/clause)
- Clause complexes per sentence
- Grammatical intricacy (=clauses/sentence)
- Embedded clauses per sentence

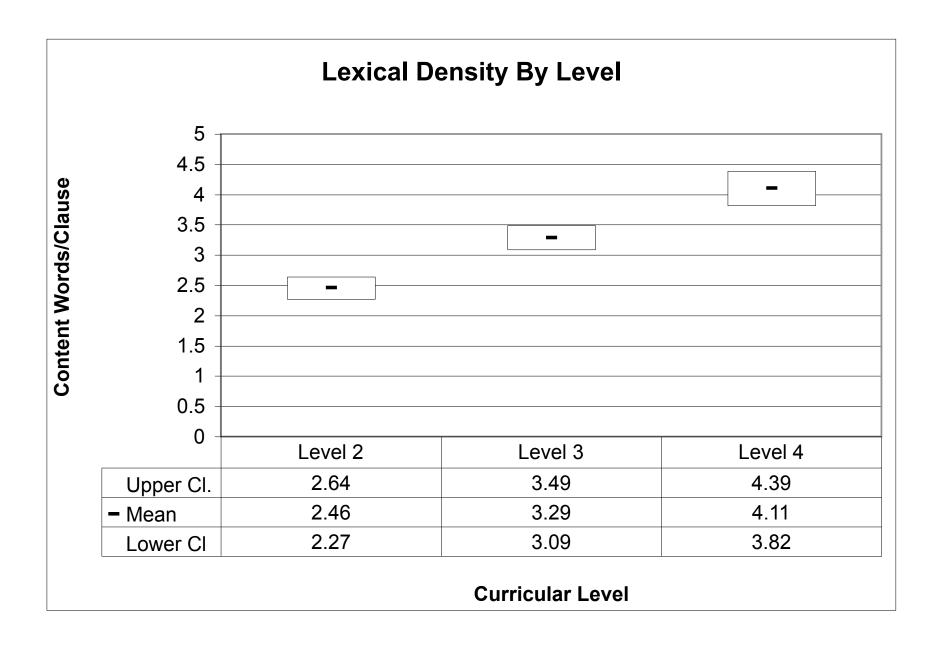
Clause analysis II



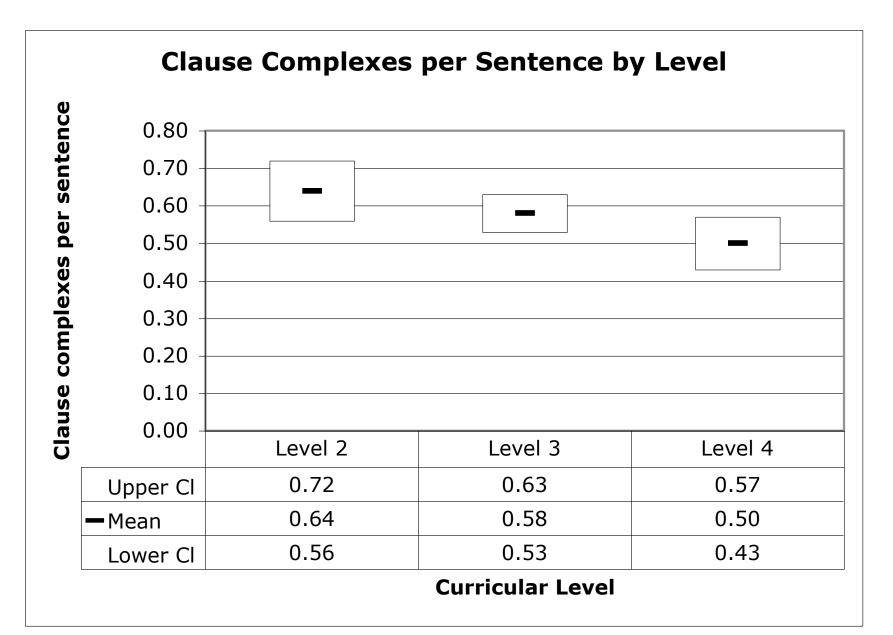
Clause analysis III



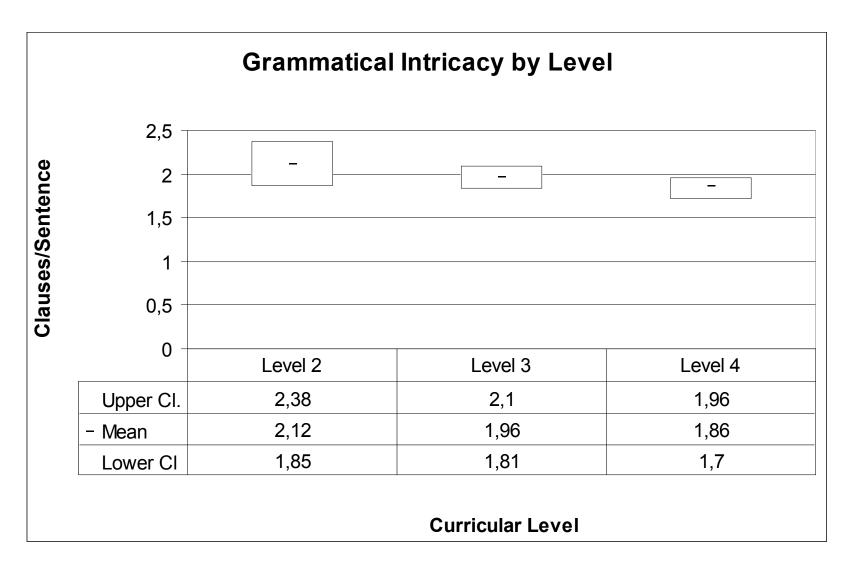
Clause analysis IV



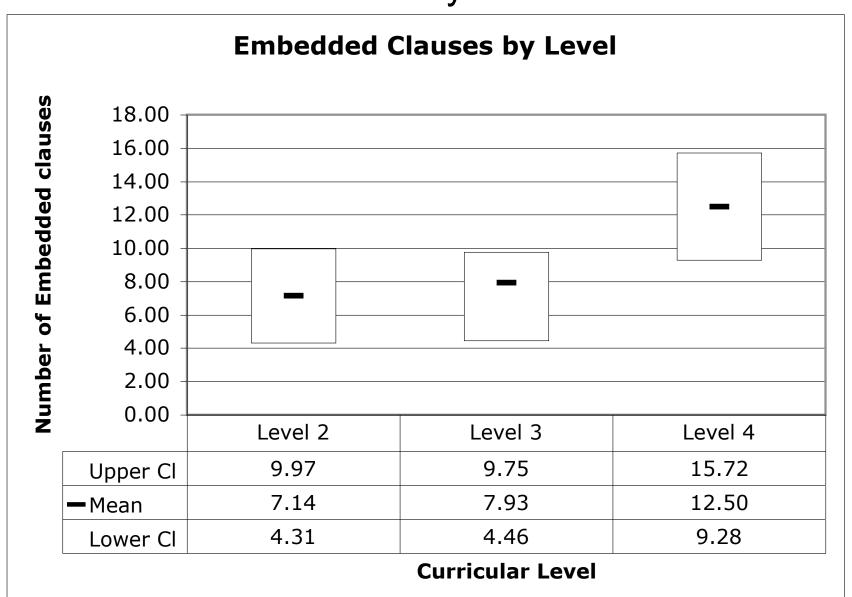
Clause analysis V



Clause analysis VI



Clause analysis VII



Summary of clause analysis

- As learners progress through the curriculum, their trend is to produce ...
 - Longer sentences
 - Longer* & more lexically dense* clauses
 - Fewer clause complexes and thus sentences that are less grammatically intricate
 - More embedded clauses

*statistical significance (alpha = 0.05)

Interclausal relationships

Taxis

Hypotaxis

Parataxis

Logico-semantics

Projection: locution, idea

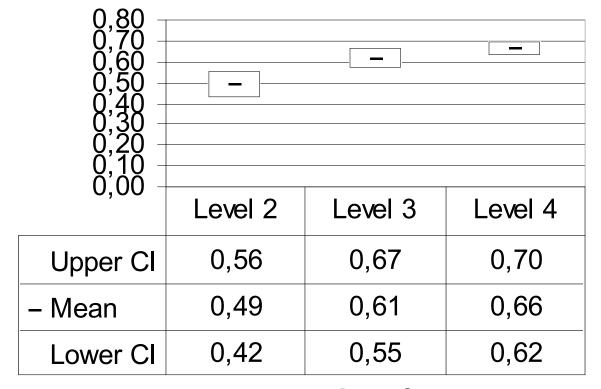
Expansion: elaboration, extension,

enhancement

Taxis I

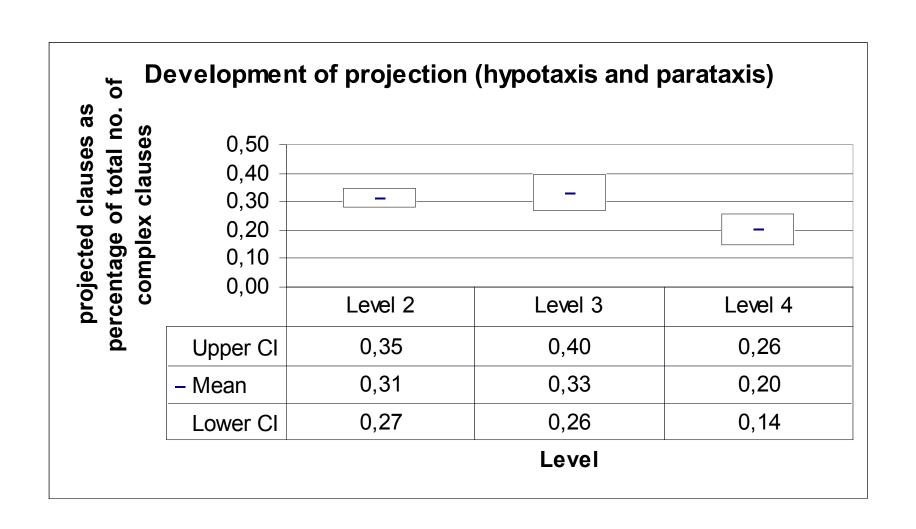


Development of hypotaxis



Level

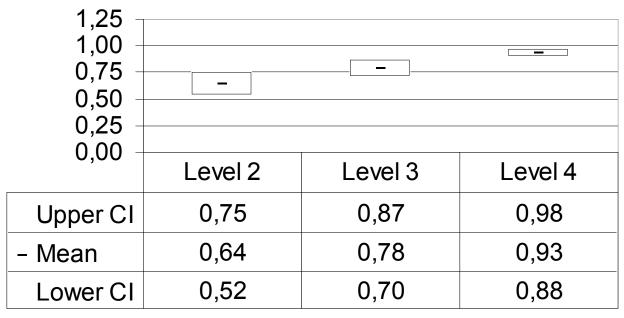
Taxis II



Taxis III

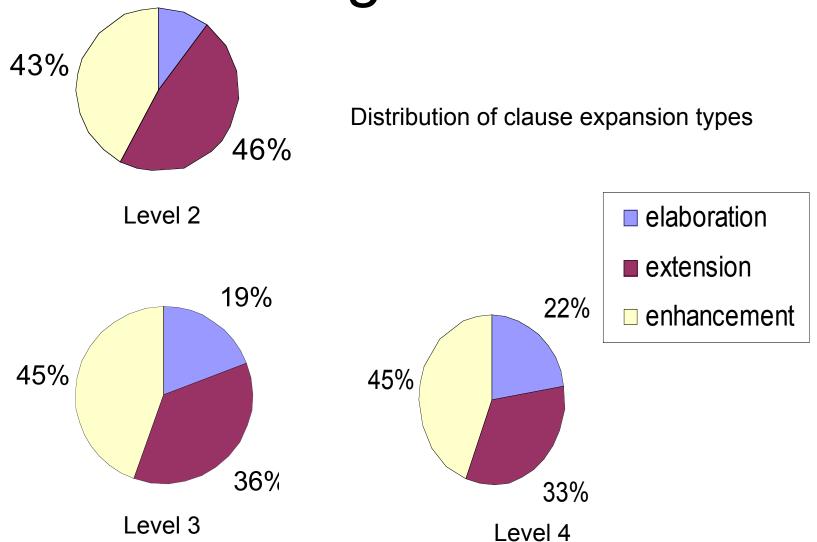
Percentage of hypotactic projected clauses as percentage of total no. of projected clauses

Percentage of total no. of projected clauses

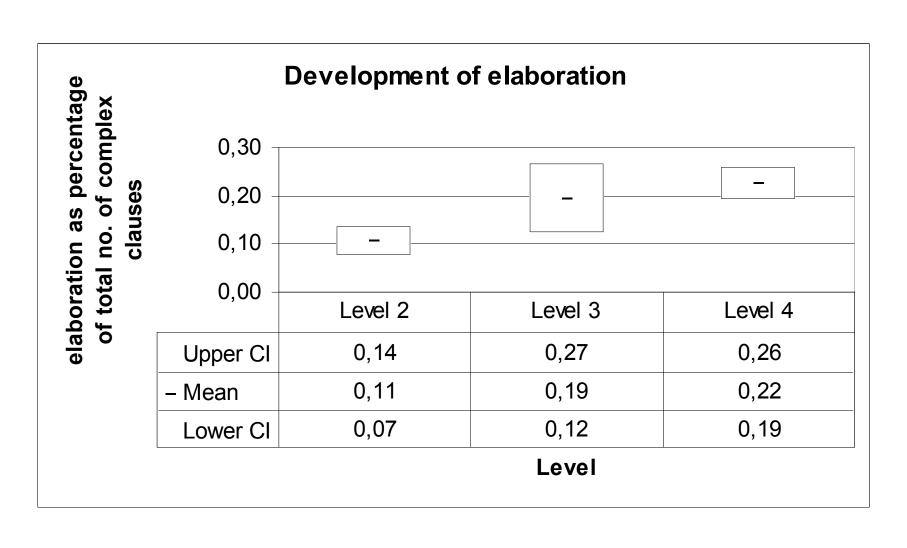


Level

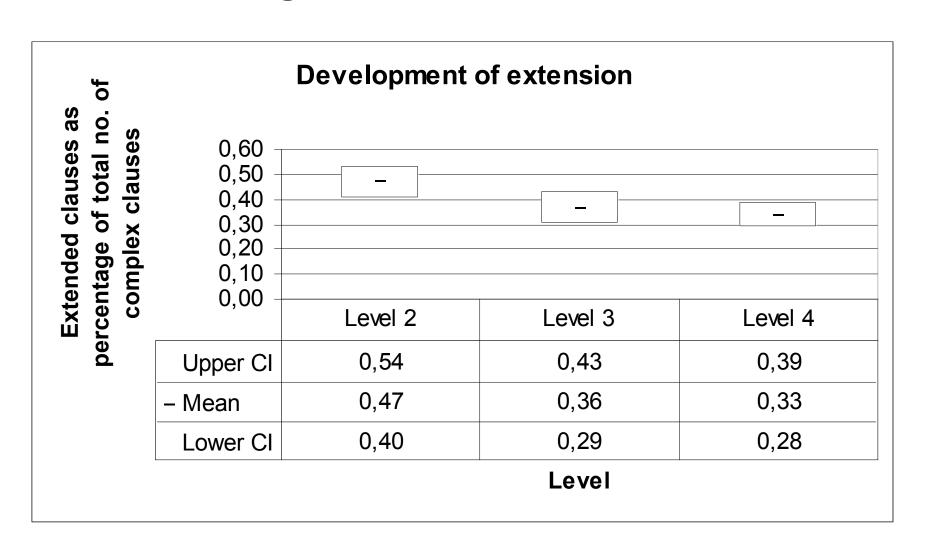
11% Logico-semantics I



Logico-semantics II

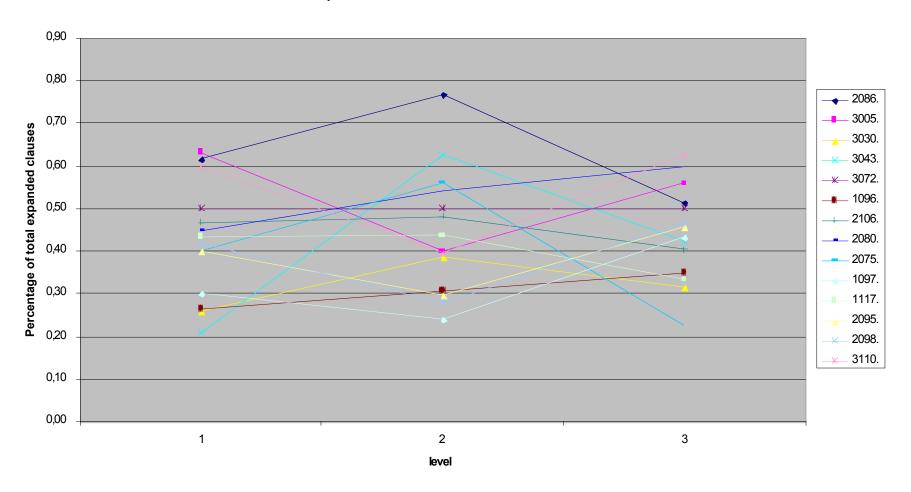


Logico-semantics III



Logico-semantics IV

Development of enhancement over three levels



Findings for taxis and logicosemantics

Taxis:

General significant increase in hypotaxis from levels 2 to
 Increase in hypotactic projection.

Hypotaxis requires more planning on the side of the writer.

Logico-semantics

The construction of hypotactic projection is more complex than paratactic projections

 Significant increase of elaboration and decrease of extension from levels 2 to 4.

Extension hardly occurs in hypotaxis and simply joins clause to clause

Intraclausal relationships: processes I

Processes

Encoded meaning:

Material

doing, happening

Mental

cognition, perception, affection

Verbal

verbal action

Behavioral

physiological and psychological behavior

Relational

being (attributive and identifying)

Possessive

possession

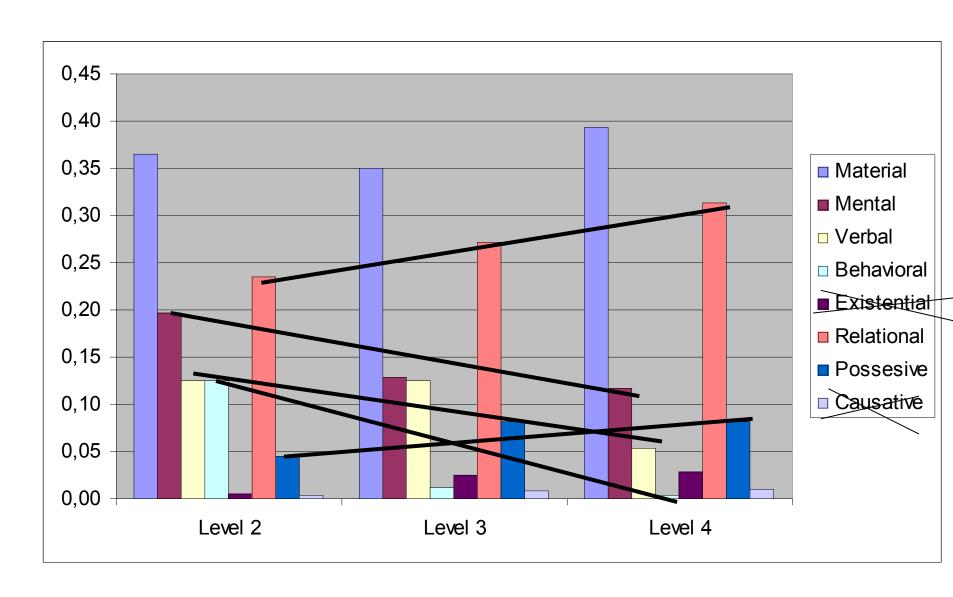
Existential:

being

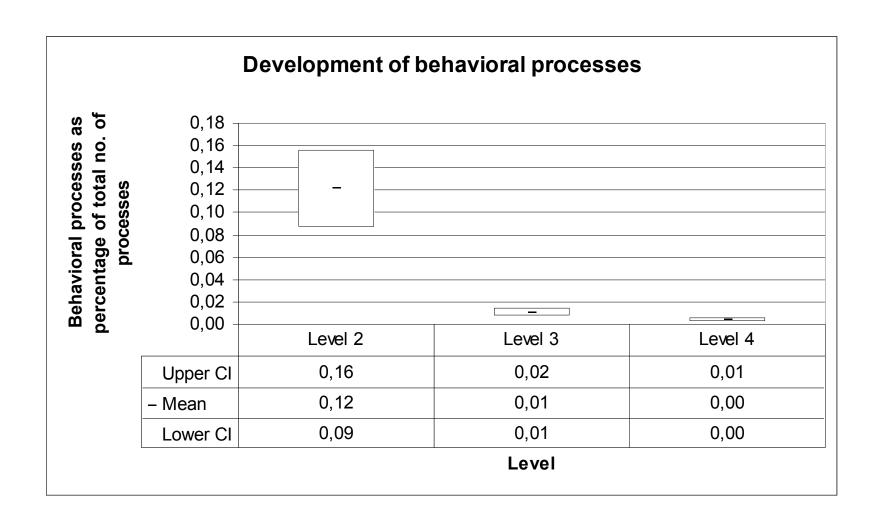
Casuative

causing

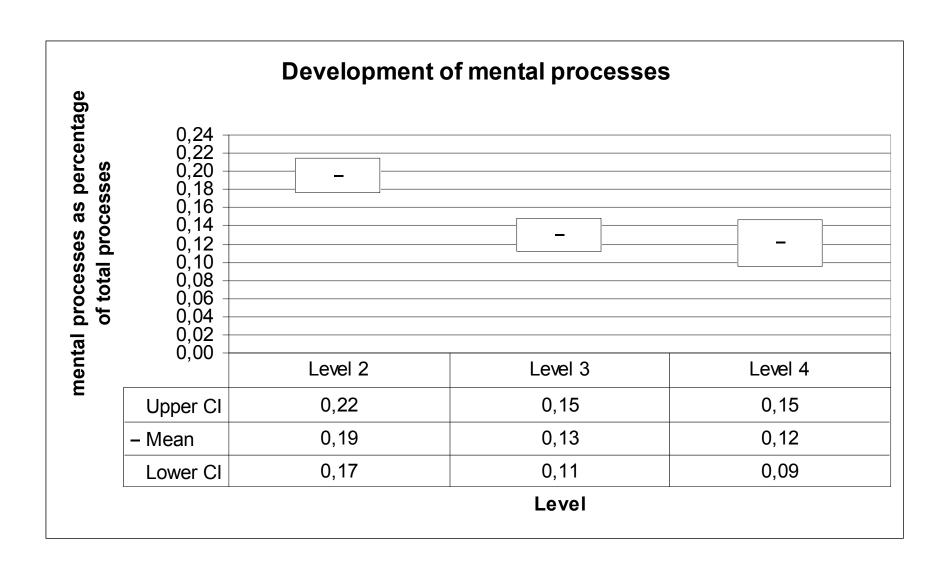
Processes II



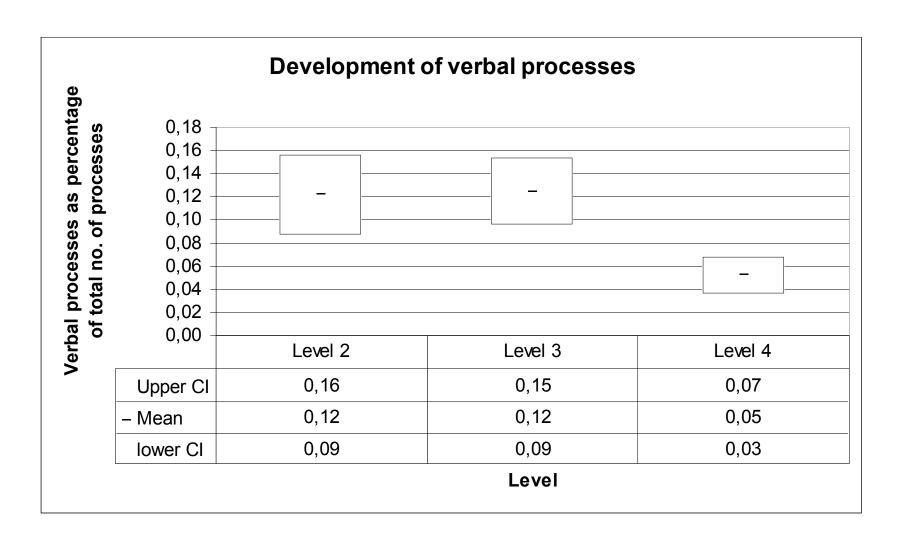
Processes III



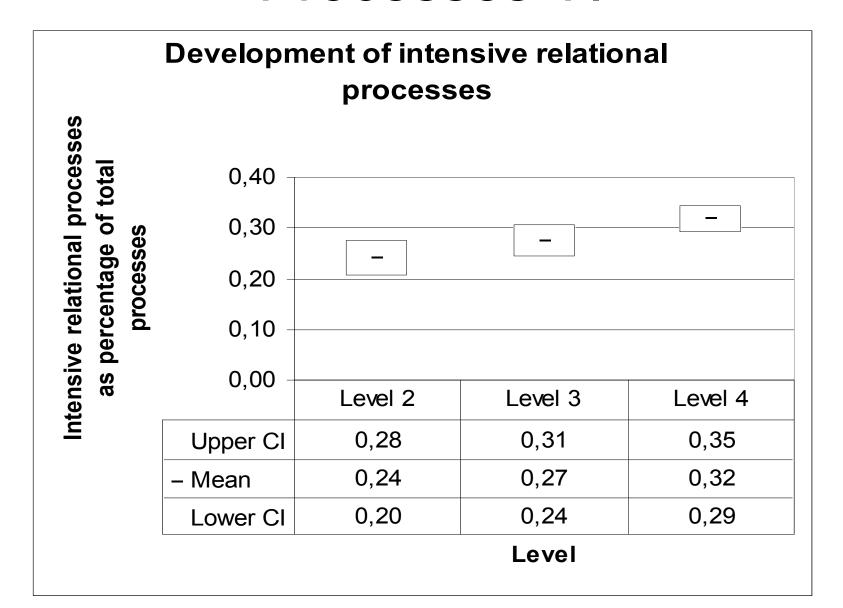
Processes IV



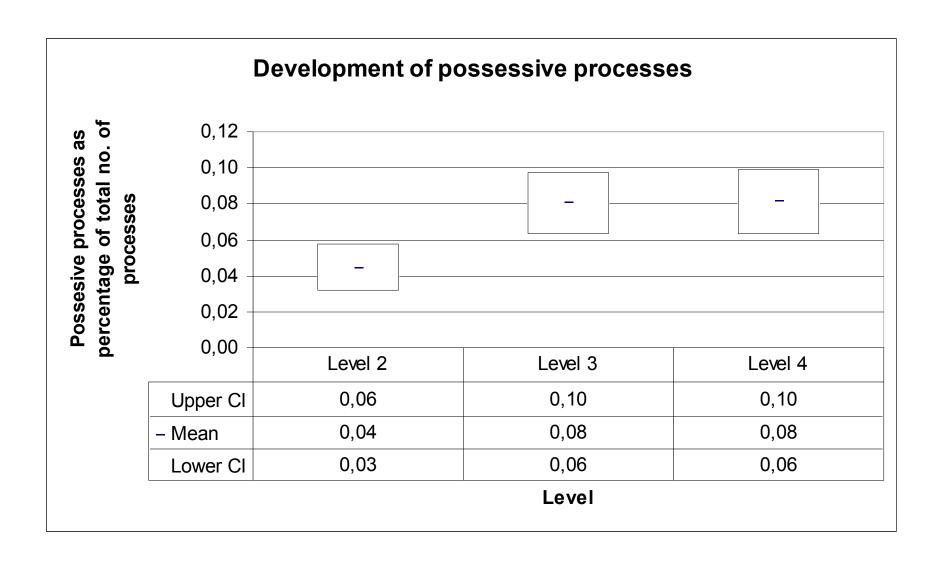
Processes V



Processes VI



Processes VII



Processes VIII

Example of relational processes in level 4:

Die Vereinigung der amerikanischen Staaten (T) war (Pi) eher eine Notwendigkeit als eine echte Wahl (V).

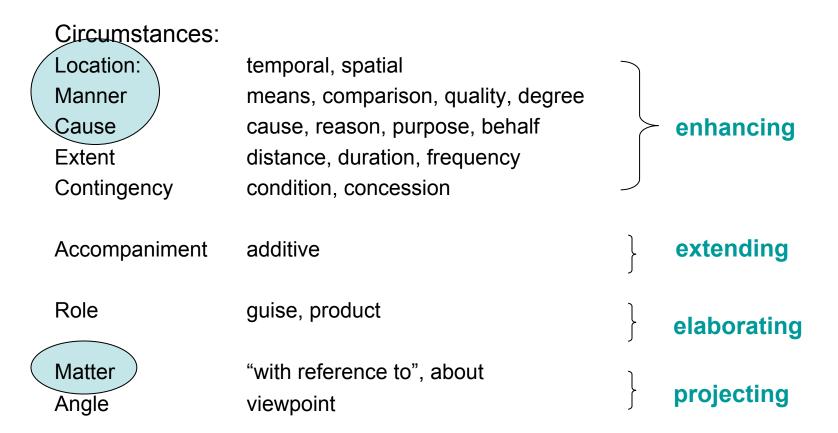
The unification of the American states was a neccesity rather than a real choice

Processes: findings

The percentage of behavioral and mental processes is significantly higher in level 2 than in levels 3 and 4. The percentage of verbal processes is significantly lower in level 4 than in levels 2 and 3. The percentage of possessive processes is significantly lower in level 2 than levels 3 and 4. There is a tendency for increase in intensive relational processes from level 2 to 4.

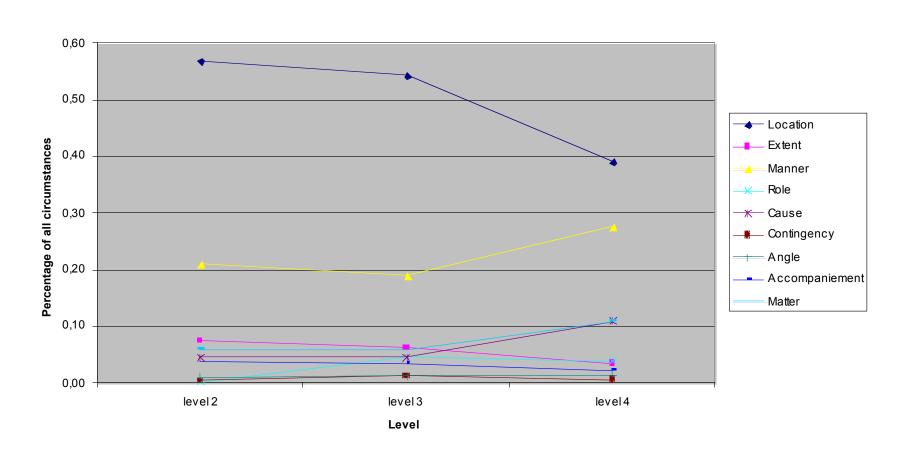
- **Mental** and **behavioral** processes are used to describe and hypothesize about psychological/physiological events and actions of figures in the narrative of level 2. There is less hypothesizing in the texts of level 3 and 4.
- -The narrative of level two incorporates dialogues between characters and thus makes use of **verbal** processes for this. The level 3 text quotes the different utterances made by figures appearing in it.
- -The texts of level 3 and 4 focus on description and are thus obliged to express a variety of statements concerning 'being', 'not being', 'having' and 'not having'.

Circumstances I

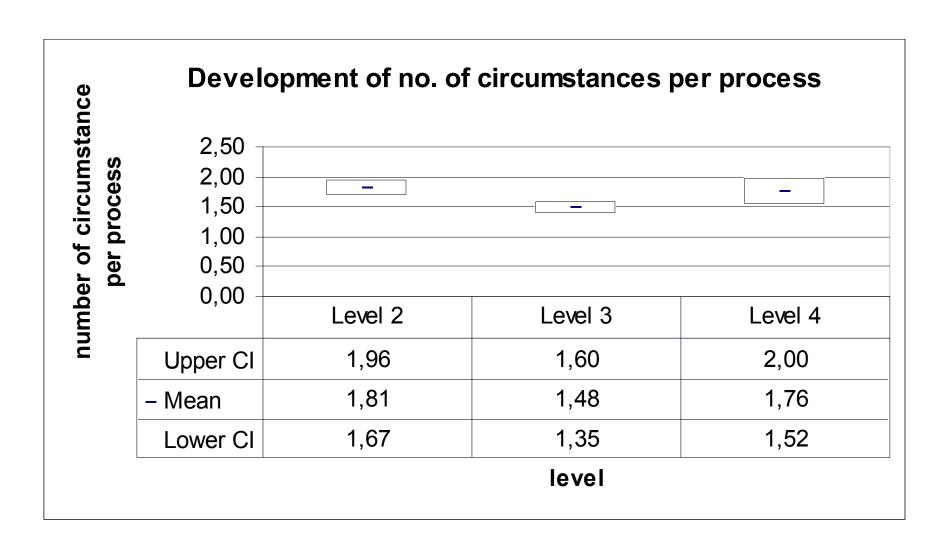


Circumstances II

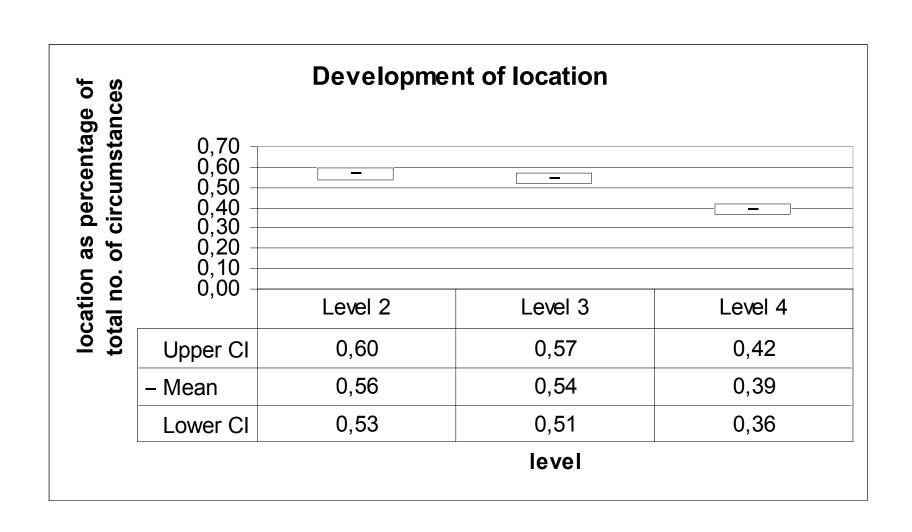
Development of circumstances (mean)



Circumstances III



Circumstances IV



Circumstances V

Types of location circumstances: Examples from learner 2106

Level 2

- •2 types (temporal and spatial)
- •Spatial adverbs and adverbial prepositional phrases that describe places in the first-person narrator's immediate, personal, familiar world
 - -im Dorf (in the town)
 - -am Ufer (on the lake's edge)
 - -nach Hause (homeward)
- •Temporal adverbs that organize the chronology of events
 - -dann (then)
 - -später (later)
 - -endlich (finally)

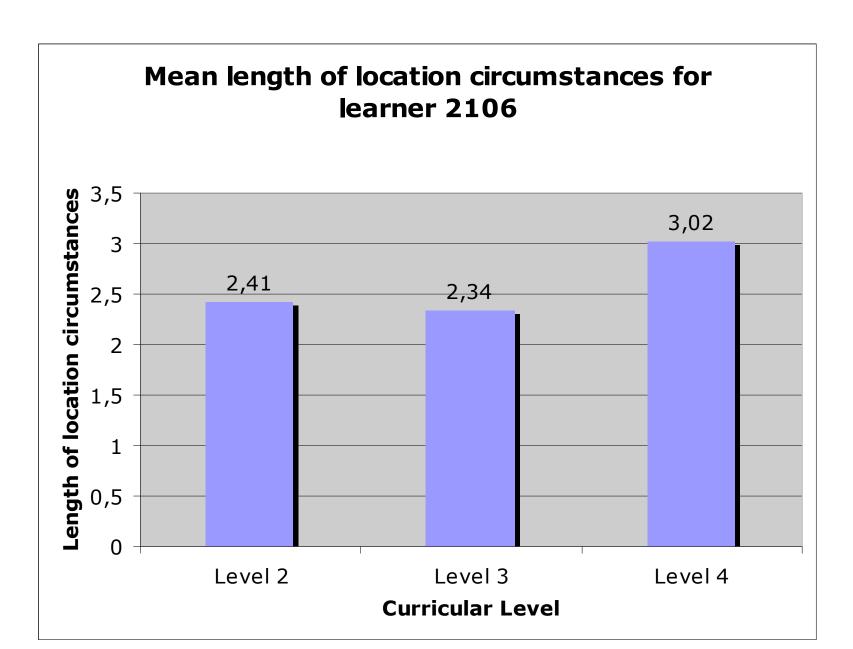
Level 3

- •2 types (temporal and spatial)
- •Spatial adverbial phrases that describe societal phenomena and locations affecting foreign residents
 - -auf dem Schwarzmarkt (on the black market)
 - -in einer freien Gesellschaft (in a free society)
 - -zurück nach Vietnam (back to Vietnam)
- •Temporal adverbs and adverbial phrases that refer to historical moments relevant to foreign residents
 - -nach der Wende (after the Fall of the Wall)
 - -heute (today)
 - -jetzt (now)

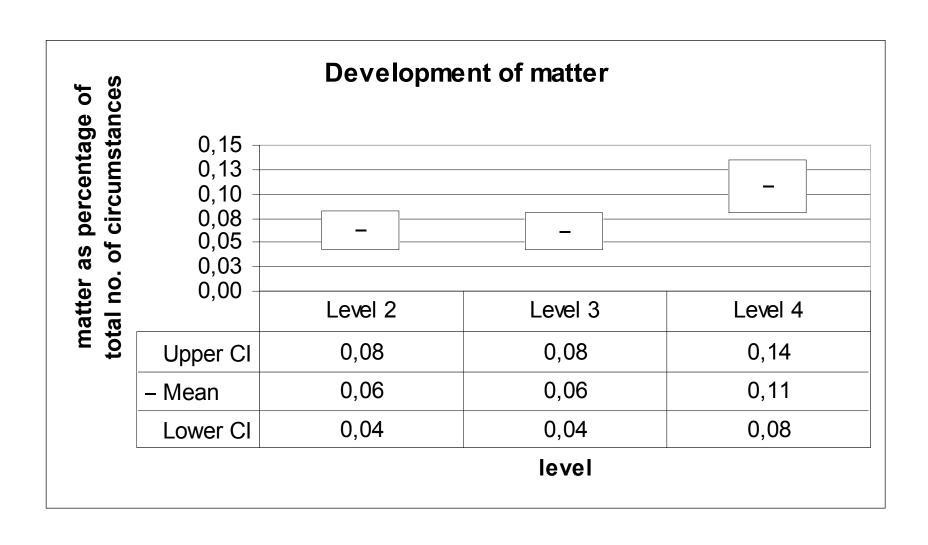
Level 4

- •2 types (temporal and spatial)
- Spatial adverbial phrases that thematize locations important in this public debate
 - -in der EU (in the EU)
 - -in NATO
 - -in den neuen westlichen Gebieten (in the new western areas)
 - -in seinem Artikel (in his article)
- •Temporal adverbial phrases that thematize relevant historical periods
 - -im 19. Jahrhundert (in the 19th century)
 - -in der Zukunft (in the future)
 - –nach der Gründung der USA (after the founding of the USA)

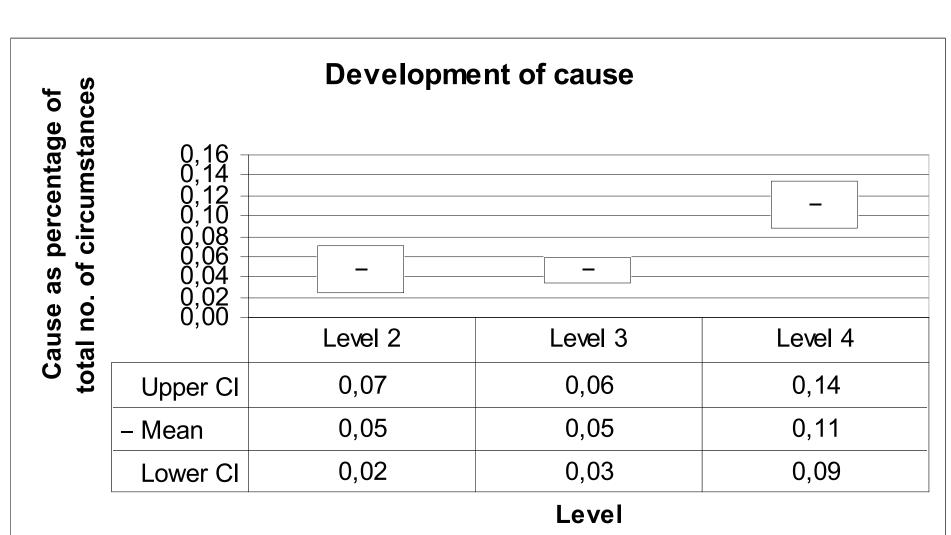
Circumstances VI



Circumstances VII



Circumstances VIII



Circumstances IX

Examples of intraclausal causal expansion:

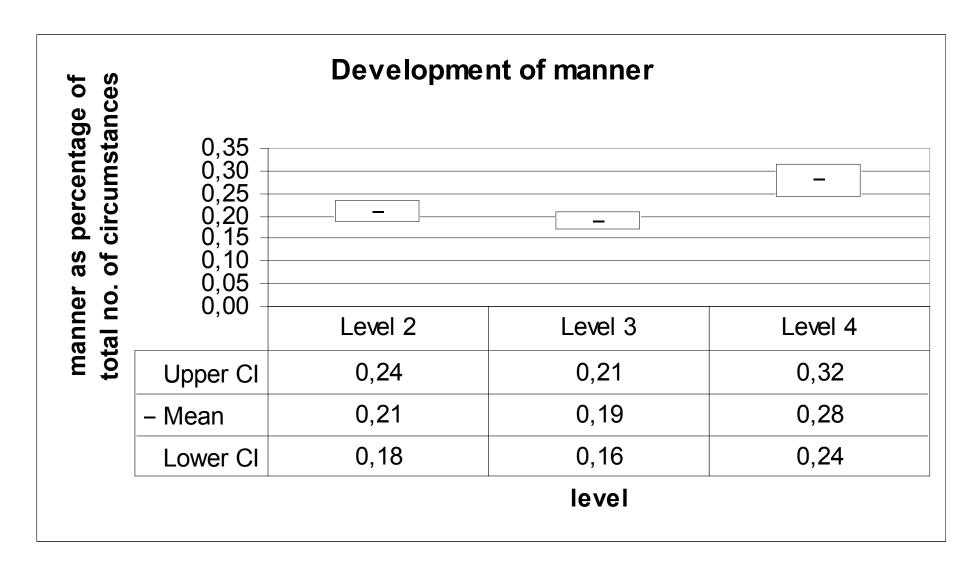
Deshalb (Cc) war (Pi) dieser Konflikt (Cr) sowohl wirtschaftlich (At) als auch politisch (At).

Therefore the conflict was both economic and political

Es (Cr) ist (Pi) besonders (Cm) schwer (At), {{die neuen ostlichen Mitgliedstaaten (G) zu integrieren (Pm)}}, wegen des Gefühls im Osten (Cc), dass die Westeuropäer (S) sie (Ph) nicht verstehen (Pme).

It is particularly difficult to integrate the new eastern member states due to the feeling in the East that the west Europeans don't understand them

Circumstances X



Circumstances XI Types of manner circumstances: Examples from learner 2106

Level 2

- •2 types (quality and degree)
- Mostly adverbs describing the quality of immediate physical human actions (speed, sound)

Examples:

Geräuschlos

Langsam

Nachdenklich

Plötzlich

Level 3

- •4 types (quality, degree, means, comparison) -> greater range than level 2
- Adverbs and adverbial phrases that describe the quality and extent of human actions that take place over longer stretches of time (integrate, live) and describe the qualities of cognitive processes.

Examples:

Ganz völlig (integrieren)

Höflich wie eine Vietnamesin (benehmen)

Gegen ihren Willen (abschieben)

Frei (denken)

Level 4

- •2 types (quality and degree)
- adverbs and adverbial phrases that describe the quality of actions typically associated with taking part in society politically (ways of constructing democracy, ways of confronting problems, degrees of overcoming problems, ways of identifying oneself).

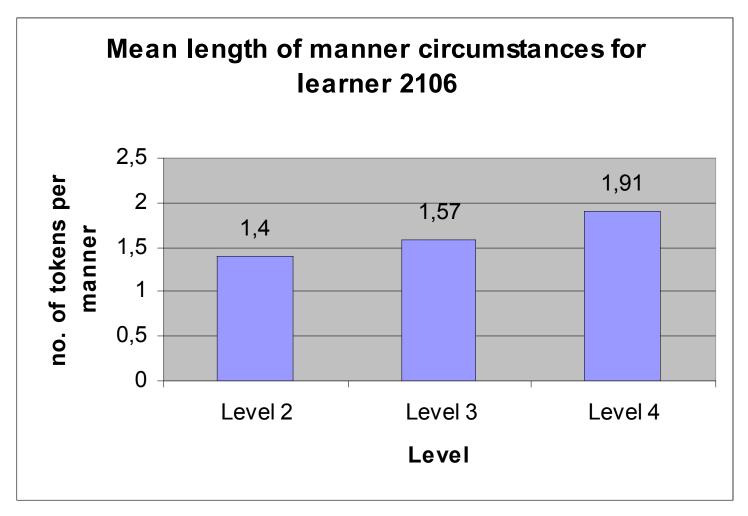
Examples:

Horizontal (demokratisieren)

Mit ähnlichen herausforderungen (konfrontieren)

Politisch, wirtschaftlich und kulturell (integrieren).

Circumstances XII



Manner: means, quality, comparison, degree

5. Discussion: Toward advancedness

- Texts organized in terms of ideas, reasons, causes, not in terms of actors
 - Increased hierarchical organization of information through increased hypotaxis & decreased parataxis
 - Increased complexification at the phrasal, rather than at the clausal, level (longer, denser, yet fewer, clauses) ⇒ increase in intraclausal activity & decrease in interclausal activity through
 - Increased use of circumstances of manner and cause
 - Increased use of intraclausal projection through circumstances of matter coupled with decreased use of interclausal projection
 - Increased incidence of relational processes, rather than clauses, to link ideas/reasons
 - Decreased use of mental and verbal processes ⇒ writer as authority
 - Decreased use of behavioral processes ⇒ reduced role of physiologically-dominant participants
 - Increased use of clausal elaboration and circumstantial enhancement (i.e., manner & cause) and decreased use of clausal extension ⇒ increased need to establish how & why rather than where and when
 - Increased use and length of circumstances of manner and cause ⇒ text's field focus on reasons and explanations
 - Increased use and length of circumstances of location that refer to time, space, location outside the personal sphere

Discussion: Curriculum-supported learner trajectory

- Articulated, theoretically grounded learner pathway
- Attainable curricular goals
- Accountable learning environment

Needs analysis

- Theoretically grounded notions of advancedness
- Programmatic, curricular thinking to support development of advancedness
- Programmatic, curriculum-embedded longitudinal research to examine learner development

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Thank you!

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