

BACKGROUND

POINT OF DEPARTURE

- Conjunction: Intersective analyses (IAs) (e.g. [1, 2, 3]) vs. non-intersective analyses (NIAs) (e.g. [4, 5, 6]):
- The six girls are reading $_P$ and drinking $_Q$. (1)
- (2) a. P and Q

 - b. IA: $\{x : P(x) \land Q(x)\}$ c. NIA: $\{x : \exists y, z[y \oplus z = x \land P(y) \land Q(z)]\}$

PREDICTIONS

- IAs predict availability of stronger intersective **construal (IC)** w/o further assumptions. (1) is true in S1 and false in S2.
- **NIAs** predict availability of weaker **non-intersective** construal (NIC) and intersective construal (IC). (1) is true in S1 and S2.
- a. S1: There are 6 girls. The 6 girls are reading (3) and the 6 girls are drinking.
 - b. S2: There are 6 girls. 3 of the girls are reading and the other 3 girls are drinking.

CLAIMS IN THE LITERATURE

- NIC is marginal ([3])
- NIC as a result of **pragmatic mechanisms** and restricted to cases in which the conjuncts denote disjoint properties ([7]) (but cf. [8] for a slightly different take)

RESEARCH QUESTIONS

Main goal of the experiment: Test for 1) availability of NICs and 2) relevance of the semantic relations of the **conjuncts' denotation** of VP-conjunction of predicates P and Q in German.

- 1. General availability of NIC in configurations where
 - (a) P and Q are non-disjoint?
 - (b) P and Q are disjoint?
- 2. Asymmetrie between configurations with disjoint and non-disjoint predicates?
- 3. Preference for situations where non-disjoint predicates overlap or situations where they don't?
- 4. Differences between adults and children w.r.t. availability of construals and preference for situations?

EXPERIMENTAL EVIDENCE FOR NON-INTERSECTIVE VP-CONJUNCTION IN CHILDREN AND ADULTS MAGDALENA ROSZKOWSKI¹, VIOLA SCHMITT¹, MAIK THALMANN² AND DANIELE PANIZZA² ¹UNIVERSITY OF VIENNA/²UNIVERSITY OF GÖTTINGEN

EXPERIMENT

- **Participants:** 48 children (6-10 years), 34 students as controls, German native-speakers
- Methods: Semantic Choice Task with Picture Selection Task. Eye-movement recorded with Eyelink 1000 with remote tracking (500 hz)
- Conditions:
 - (1) Overlapping scenarios with non-disjoint predicates NIC/IC



- (i) *The six frogs are sitting and sticking out their tongue.*
- (2) Non-overlapping scenarios with disjoint predicates NIC



- (ii) *The six frogs are sitting and jumping.*
- (3) Non-overlapping predicates – NIC

scenarios







- **T-NIC** (iii) *The six frogs are sitting and sticking out their tongue.*
- (4) Overlapping vs. non-overlapping scenarios with non-disjoint predicates – Preference



T-IC T-NIC (iv) The six frogs are sitting and sticking out their tongue.

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PRELIMINARY RESULTS







DFG Deutsche Forschungsgemeinschaft