

Perceivable properties and inference to emotional states

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Introduction and background

- Emotional state adjectives name an emotional state. Different interpretations for different combinations of A + N.
- Lexical semantics of the noun, context matter.
- a. sad person (stative) b. sad movie/day (causative) c. sad smile/letter (manifestive)
- My focus: causative and (especially) manifestive interpretations.
- Property named by the adjective is perceivable.
- a. I saw her make an angry gesture.
 - b. #I saw her make a noisy gesture (because her bracelets rattled when her hand moved).
- Commitment by speaker that agent of gesture has mental state.
- a. #She made an angry gesture, but she was not angry.
 - b. #An irritated sigh slipped past his lips, but he was not irritated.
- May encode similar components to other cases of subjective meaning.
- Bouillon (1996), Goy (2000): Analyze these adjectives in Generative Lexicon (Pustejovsky 1995)
- Downsides:
- Manifestive interpretation not explored well.
- Compositional mechanisms not very developed.
- Relationship between senses not derived.
- Overlook subjective meaning.

Overview

This is a project to better understand the lexical semantics of emotional state adjectives, the issues they present for the interface to lexical semantics, and their possible connection to subjective content.

Tropes and compositionality

- Moltmann (2004, 2009): Natural language expressions may make reference to tropes, concrete manifestations of a property.
- a. Mary's wisdom
- b. John's honesty
- Tropes are perceivable objects. Every trope has a bearer (debate on whether it is unique).
- Maienborn (2021): No event arguments, contra Larson (1998). Rather, adjective specifies a trope.
- a. That dancer was elegant.
 - b. This king is just.
- Tropes accessible through compositional mechanisms, but not arguments themselves.
- Trope variable *r* free in adjective denotation, but pragmatically specified in composition.
- $\llbracket beautiful
 Vert =$ (6) $\lambda y_{\text{ENTITY}}[\text{bearer}(r, y) \land \text{beautiful}(r)]$
- Olga is a beautiful dancer. (event reading)

$$\exists x \exists r \text{ GEN } e \begin{bmatrix} \text{bearer}(r, x) \land \text{manifest}(r, e) \land \\ \text{dance}(e) \land \text{agent}(e, x) \land \\ \text{beautiful}(r) \end{bmatrix}$$

Subjective meaning

- Emotional state adjectives are not simply predicates of personal taste. No faultless disagreement?
- A: John flashed us a friendly smile. B: *I disagree. His smile wasn't friendly.
- Shift in questions and embedded contexts.
- a. Did she make an angry gesture?
 - b. Molly said Holly gave a friendly wave.
- Not "true" evidentials: Not mandatory or part of a grammatical paradigm.

(Sketch of an) Analysis

- **Tropes** appear to be implicated with these adjectives.
- a. Amy's happiness was visible in her smile.
 - b. Darcy's anger was heard in her voice.
- Tropes are typed. Emotional state tropes are a subtype of tropes.
- MENTAL-STATE \sqsubseteq TROPE
- Emotional state adjectives specify a bearer holds some emotional state trope. (Not necessarily the referential argument!)
- $[friendly] = \lambda x. friendly(r) \land bearer(r) = y \land \dots$
- Emotional state adjectives seem to be intersective, suggesting they're fundamentally properties. Type $\langle e, t \rangle$.
- (13)a. Her smile was friendly.
 - b. His gesture was angry.
- Same noun can have different readings. Need finer-grained lexical semantics for predication. Lexical decomposition.
- sad letter (14)

(causative or manifestive)

- Certain **nouns** have object as referential argument. Event with agent in lexical representation.
- $\llbracket smile \rrbracket = \lambda x \mid smile(e, x) \land agent(e) = y \land x \sqsubseteq y \mid$ (15)
- Manifestive and causative senses: Difference in who the bearer of emotional state trope is. Determined pragmatically.
- Causative: r = speaker
- Manifestive: r = agent of event denoted by noun
- Subjective meaning via pragmatics. Inference from participation in situation.
- Causative interpretation can also be enriched if demonstrative used.
- a. *Titanic* is a sad movie, but it did not make me sad. (16)b.??This is a sad movie, but it doesn't make me sad.
- Korotkova (2016): First person component as indexical, and mental state component rooted in independent cognitive processes.