Acquaintance content and Obviation

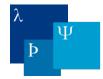
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Jarmush 1984



- Cleveland. It's a beautiful city.
- Yes?
- Yeah.
- It's got a big, beautiful lake.
 You'll love it there.
- Have you been there?
- No, no.

(Stranger Than Paradise)

Acquaintance and Experience

Acquaintance Inference (AI) (terms from Ninan 2014, also Wollheim 1980)

A firsthand experience requirement present in several subjective expressions (Stephenson 2007; Pearson 2013a; Klecha 2014; Ninan 2014; Kennedy and Willer 2016)

- Al cannot be explicitly denied
- (1) PPT: a. The curry was **delicious**, #but I never tasted it.
 - b. PERCEPTION PREDICATE: The piano **sounded** out of tune, **#but** I've never heard it.
 - C. SUBJECTIVE ATTITUDE: I consider the dress blue and black, #but I've never seen it.

Acquaintance and Obviation

- The Al isn't always present: it may disappear in the scope of some obviators (cf. Pearson 2013a; Klecha 2014; Ninan 2014)
- (2)The curry {might, must, will} be **delicious**, though I never tasted it. a.
 - b. I {might, #must, will} consider the dress blue and black, though I've never seen it.

Today's talk: patterns of Al obviation and cross-constructional variation

- What is "this": form, dimension of meaning, ...?
- When and why does it go away?
- Verdict: different types of content regarding direct evidence
 - covert experiencers: a special evidential restriction
 - overt experiencers: a classical presupposition

Roadmap

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Acquaintance and directness

- Acquaintance and directness

- A direct proposal

The basics

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Acquaintance and directness

- (3) a. PPT:
 The curry was delicious, #but I never tasted it.
 - b. PERCEPTION PSYCH PREDICATE:
 The piano sounded out of tune, #but I've never heard it.
 - SUBJECTIVE ATTITUDE:
 I consider the dress blue and black, #but I've never seen it.
 - d. OVERT PSYCH PREDICATE:l like (eating) dragonfruit, #but I've never tried it.

{Auto, exo}centricity

Acquaintance and directness

- PPTs have been argued to be evaluated relative to a covert judge (Lasersohn 2005):
 - autocentric: judge is the speaker
 - exocentric: judge is not the speaker
- (4) The cat food is tasty.
 - Let us confine ourselves at present only to autocentric (speaker-oriented) readings

Complications

- (5)FREEDOM OF EXPERIENCE-TYPE a. It is **beautiful**, but I've never {seen, heard, ridden, ...} it.
 - b. TYPE-TOKEN AMBIGUITIES This (Massaman) curry is **delicious**, but I haven't tasted $it_{\#Massaman,preparation}$.
 - C. ANAPHORIC REFERENCE P: Yesterday, I drew a clown waving and grinning. Maybe I can show you. N: No thanks. That's scary!

Complications

Acquaintance and directness

- (6)P: Yesterday, I drew a clown waving and grinning.
 - N: No thanks. #That drawing is scary! a.
 - b. N: No thanks. That {image, concept} is scary!

Complications

Acquaintance and directness

- Sample size issues:
- (7) INCOMPLETE EXPERIENCE: a. ✓I only watched { the trailer / the first five minutes }. This movie is boring
 - b. No experience: #The new Allen movie is **boring**. I haven't watched it, but all his movies are the same.

Al varies with directness of experience

Acquaintance and directness

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(8)
      That curry is tasty.
       reading a recipe
       looking at a picture
                                               ??
       see other patrons ordering/eating it
       reading reviews
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Roadmap

- Obviation
- A direct proposal

Al Obviation

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(9) That curry {looks, sounds} tasty.

reading a recipe

looking at a picture

see other patrons ordering/eating it

reading reviews
```

Al Obviation

- Al can disappear in scope of obviators (cf. Pearson 2013a; Klecha 2014; Ninan 2014)
- (10)The cake delicious, but I never tasted it.
 - a. EPISTEMIC MODAL AUXILIARIES: √must/might have been
 - h EPISTEMIC ADVERBS: ✓ probably/possibly/maybe was
 - PREDICATES OF EVIDENCE/CLARITY: С. ✓ obviously/certainly/apparently was
 - Ы FUTURATE OPERATORS: ✓will/is going to be
 - These all convey indirect evidence in some sense

Al Obviation

- Grammatical markers of indirect evidentiality follow the pattern
- Turkish (Turkic: Turkey) (11)
 - a. BARE FORM:
 - #Durian güzel, ama hiç dene-me-di-m. good, but ever try-NEG-PST-1SG durian Intended: 'Durian is good, but I've never tried it'.
 - b. EVIDENTIAL miş:
 - ✓Durian güzel-miş, ama hiç dene-me-di-m. good-IND, but ever try-NEG-PST-1SG 'Durian is good, *I hear/infer*, but I've never tried it'.

Additional avenues of obviation

- (12) a. EMPHATIC CERTAINTY
 - I $\{know, am\ certain\}$ that the cake is tasty, but I haven't tried it.
 - b. HEDGES
 - I {assume, think} that the cake is tasty, but I haven't tried it.

Exocentric Al

- Exocentric cases show the same patterns of Al and obviation
- (13) EXOCENTRIC AI:

The cat food recipe the algorithm just formulated is tasty, #but no cat has ever tried it yet.

(14) Exocentric Al obviation:

The cat food recipe the algorithm just formulated

.....tasty, ✓but no cat has ever tried it yet.

- a. **✓must/might** be
- b. **/probably/possibly/maybe** is
- c. **Vobviously/certainly/apparently** is
- d. ✓will/is going to be

Main puzzles

Why is obviation possible but not explicit denial?

Overt Judges

- PPTs admit overt judges: to/for PPs
- (15) The cake was tasty {to, for} {me, John}.
 - Experiencer PPs taken as evidence for a dyadic treatment (a.o. Bhatt and Pancheva 1998; Stephenson 2007; Stojanovic 2007; Pearson 2013a)
 - Prediction: overt judges should behave the same wrt obviation

Overt Judges

- They don't!
- (16) The cakedelicious to me, but I never tasted it.
 - a. #must/√might have been
 - b. #probably/possibly/maybe was
 - c. #obviously/certainly/apparently was
 - d. FUTURATE OPERATORS:
 - √will/is going to be

Overt experiencers

- Overt judges pattern like overt experiencers:
- (17)PSYCH PREDICATES: a. The cake { #must/√might have, #probably/possibly, #obviously/apparently } delighted me, but I never tasted it.
 - b. Subjective attitudes: I { #must/√might have, #probably/possibly, #obviously/apparently } found the cake delicious, but I never tasted it.

Perception predicates

- Perception predicates pattern with PPTs vis à vis overt perceivers:
- (18) The dinosaur { must/might have, probably/possibly, obviously/apparently } looked cool (#to me), but I never saw it.

A summary

	must	might	possibly	apparently	will
tasty	✓	✓	✓	1	/
looked	✓	✓	✓	1	1
tasty to me	#	✓	#	#	/
looked to me	#	✓	#	#	/
delighted me	#	✓	#	#	/
found it tasty	#	✓	#	#	1

- the bottom four have the signature of classic presupposition projection
- the top two are more liberal
- *might* and *will* likely ✓ because of future-orientation
- we will stick to *must* hereafter

Main puzzles

Why is obviation possible for PPTs but not explicit denial? Why do 'covert' judges differ from overt ones wrt obviation by *must*?

Roadmap

- First Stabs
- A direct proposal

- Possible sources of the PPT Al
 - from their reference to judges/experiencers
 - from their dispositional genericity
 - a basic experience presupposition
 - as an anti-presupposition with *must*

Some reasonable explanations

...from their reference to judges/experiencers

But overt experiencers show a different signature

...from their dispositional genericity (Anand 2009; Moltmann 2010, 2012; Pearson 2013b)

- But these too are different
- (19)Even though your son hasn't smiled yet, based on his age, he obviously { #does / **√**can }.

Some reasonable explanations

...a basic experience presupposition

- If tasty-to $\mathbb{I}^{c,w} = \lambda x.\lambda o: x$ has tried o in w. 1 iff o is tasty to x in w(20)
 - But this would never be obviated by *must*; we only get projection out of negation (Ninan 2014)
- (21)The cake was tasty. a.
 - b. The cake wasn't tasty.
 - If the cake was tasty, then ... C.

no Al

d. The cake must be tasty. no Al

Some reasonable explanations

...an anti-presupposition with must

• but why are PPTs alone special in this regard?

Pearson (2013b): A combination

Core proposal (simplified)

- An experience presupposition
- First-person genericity (Bhatt and Pancheva 1998; Anand 2009; and especially Moltmann 2010, 2012)

- If tasty-to $\mathbb{I}^{c,w} = \lambda x \cdot \lambda o : \mathbf{x}$ has tried o in w. 1 iff o is tasty to x in w(22)
 - PPTs: inherently generic i-level predicates (Chierchia 1995)
- (23)This is tasty.
 - b. [This; [GEN t_i is tasty]

- GEN: binds the judge and is restricted by quantificational domain restriction Dom
- $[\forall \langle x, w' \rangle : x \in Dom]$ [the cake is tasty-to x in w'] (24)
 - the PPT's presupposition projects universally yielding the following presupposition
- (25) $[\forall \langle x, w' \rangle : x \in Dom] [x \text{ has tried } o \text{ in } w']$

Pearson(2013): A combination

- Exocentric AI explained:
 - The Al does not depend on who is the judge: the presupposition is generic
 - Default: the speaker $\in Dom$
 - The speaker can be irrelevant in classic exocentric cases, so the speaker ∉ Dom
- Obviation explained (based on *must*, extrapolated to other cases):
 - The speaker can be irrelevant if the speaker hasn't tried o so the speaker ∉ Dom
 - must: a signal of indirectness (von Fintel and Gillies 2010; Lassiter 2016)
 - Because the speaker is irrelevant, obviation is felicitous

Problems

- Reasoning for must carries over to explicit denials (cf. Ninan 2014)
 - Incorrect prediction: the speaker's irrelevance should license denials
- Speaker's irrelevance
 - Incorrect prediction: the speaker, when not in *Dom*, is necessarily irrelevant and is not committing to a judgment on o if/when they do try it
- (26)Just look at it! The cake { is, must be } delicious, #but I am going to find it disgusting.
 - Genericity
 - Incorrect prediction: dispositional generics show more constrained obviation than PPTs.
- Even though your son hasn't smiled yet, based on his age, he obviously (27){ #does / **√**can }.

A potential problem

- As it stands, the proposal predicts that use of *must* signals lack of direct evidence for a generic claim about taste
- But isn't trying something precisely that kind evidence?
- And yet, this doesn't seem to track the data:
- (28)Based on my tasting it, people #(must) find the cake tasty.
 - In order to make precise claims, we really need a fine-grained account of *must's* contributions

First Stabs

The bottom line

Pearson's (2013b) account overpredicts obviation environments

Ninan (2014)

An epistemologically grounded norm of assertion

In order to know the truth of o is tasty, the speaker must have prior experience with o.

- Assertions of unmarked propositions
 - assume such knowledge
 - trigger the Al
- Assertions of marked (modalized, hedged, ...) propositions
 - are not subject to this convention
 - allow obviation

Problems: Exocentric readings

- The pragmatic approach is rooted in the **speaker**'s knowledge
- but the judge can be exocentric
- incorrect prediction: no Al for those
- (29) The cat food recipe the algorithm just formulated is tasty, #but no cat has ever tried it yet.

First Stabs

The bottom line

Pearson's (2013b) account overpredicts obviation environments Ninan's (2014) account underpredicts AI environments

Roadmap

- A direct proposal

The intuition

- Al related to degree of (in)directness
- but having a directness presupposition is no better than the experience presupposition
- Idea: have a formal object that encodes directness; this object can be manipulated

The account I

Core proposal

- PPTs comment on direct evidential grounds of a proposition
- Obviators update the parameter of evaluation PPTs depend on

- Framework for directness: von Fintel and Gillies's (2010) kernels
- (30)kernel of propositions K encodes direct knowledge a.
 - h. the proposition $\bigcap K$ is the set worlds compatible with what is known directly and indirectly
 - kernels are provided via an interpretive coordinate (cf. Yalcin's C. (2007) information states; also Hacquard 2006)
 - d. evaluation indices: minimally 4-tuples: (world, time, kernel, judge)

The account III

- The semantics for PPTs:
- $\llbracket \text{ tasty } \rrbracket^{c,\langle w,t,K,j\rangle} = \lambda o$: (31)K directly settles whether o is tasty for j in w at t. 1 iff o is tasty for *i* in w at t
 - X directly settles whether p iff $\exists q \in X [q \subseteq p \lor q \subseteq \neg p]$ b.
 - Al arises both in affirmative and negative sentences
 - Exocentric AI explained:
 - K and j are not semantically connected
 - but direct settlement & world-knowledge align them (in the root case)

The account IV: Obviation explained

Obviators signal the lack of direct knowledge by eliminating the direct vs. indirect restriction

- $\llbracket \text{ must } \alpha \ \rrbracket^{c,\langle w,t, {\color{red} K},j\rangle} = \llbracket \text{ must } \rrbracket^{c,\langle w,t, {\color{red} K},j\rangle} (\llbracket \ \alpha \ \rrbracket^{c,\langle w,t, {\color{red} \bigcap K},j\rangle})$ (32)
 - h Given the semantics for PPTs: \llbracket must [the curry is tasty] $\rrbracket^{c,\langle w,t,K,j\rangle}$ is defined iff $\{\bigcap K\}$ directly settles whether the curry is tasty
 - vE&G's semantics for must: C. I must $\mathbb{I}^{c,\langle w,t,K,j\rangle}$ $=\lambda p$: K does not directly settle whether p. $\bigcap K \subseteq p$

Overt judges

Obviation facts support a disjoint treatment of bare vs. "overt" uses (cf. Lasersohn 2005; MacFarlane 2014)

- Extending the proposal: overt judges depend on the DP's kernel
- \llbracket tasty to $\alpha \rrbracket^{c,i} = \lambda o$: the kernel of $\llbracket \alpha \rrbracket^{c,i}$ in w at t directly settles (33)whether o is tasty to j in w at t. 1 iff o is tasty to j in w at t
 - Unmarked cases: the same as bare uses (modulo the judge)
 - Modification with obviators:
 - indirect markers do not update the kernel coordinate of the judge DP
 - contradictory requirements
- \llbracket must [the curry is tasty to Mo] $\rrbracket^{c,\langle w,t,K,j\rangle}$ is defined (34)[imposed by must] iff K does not directly settle whether the curry is tasty to Mo A [imposed by PPT] iff K directly settles whether the curry is tasty to Mo

Roadmap

- A direct proposal
- Conclusion

- Discussion of previous approaches to the Al
- Differentiating types of acquaintance content
- Proposal rooted in the research on (in)directness
 - Extension 1 obviation is a diagnostic of indirectness rather than modality (contra Klecha 2014)
 - Extension 2 attitudes are taken to be obviators (cf. Yalcin 2007)
- Future work
 - interaction with bona fide markers of direct evidentiality
 - relation to other expressions with similar restrictions, e.g. English copy-raising constructions (Asudeh and Toivonen 2012; Rett, Hyams, and Winans 2013) and expressions dealing with internal states across languages

Parallel: Other expressions with similar restrictions

Egophoric agreement (Zu 2015; Coppock and Wechsler forth.; Floyd, Norcliffe, and Roque forth.) and experiencer predicates (Kuroda 1973; Speas and Tenny 2003; Tenny 2006)

- Bare uses impose a first-person constraint
- Indirect markers obviate it
- Japanese experiencer predicates (35)
 - BARE USES: a.

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watashi-wa / *anata-wa / *kare-wa sabishii desu.
          / you-TOP / he-TOP lonely COP.PRES
'I am / *you are / *he is lonely.'
                                      (Tenny 2006: 247; ex.2)
```

b. OBVIATION:

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kare wa sabishii rashii
he TOP lonely IND.EV
'He seems to be lonely.'
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- We derive obviation by collapsing the information in the kernel. This should render the following synonymous, contrary to fact
- (36)I'm certain that it's raining.
 - b. I'm certain that it must be raining.

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