Convergence, Complementarity and Conventionalization in Dialogue

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Procedural co-ordination in dialogue

Dialogue requires co-ordinating on the timing and sequencing of turns. Utterance / Action Question -"Timber" Praise -Co-ordination is underpinned by adjacency pairs (Schegloff, 2007). Adjacency pairs are *complementary* conventions: Interlocutors do *different* actions on subsequent turns. Self-deprecation Utterance / Action But, cognitive and conversation-analytic studies presuppose these are already shared by interlocutors.

• Participants can restart at any time by typing "/restart"

Question 1: Do interlocutors converge on complementary conventions?

Method Pear, apple, banana Banana, tomato, peach • Participants must combine their lists of words into a single sorted list • Participants can only select each other's words. • Participants select words by typing the word preceded with slash "/" (1) Make procedural co-ordination as difficult as possible. • Participants see effects of each other's actions

Gradual development of procedural conventions

Initially: (low co-ordination) Participant 1 Participant2 Ok, so which words do you have? I have 3 words on mine, pear, apple and banana Right, I have banana, tomato, P1, P2 peach So that's 3, right? have to Ok, so in order that would be **Medium co-ordination (25 mins)** combine apple banana peach and then their lists pear, yeah? Participant2 Participant 1 Yeah, I can do mine? Right, I have Ok, that means I have to these for you start. Peach, tomato Yeah, I think so, go for it Is that all **APPLE** Yeah /BANANA Ok, mine are **High co-ordination (50 mins)** Right, I'm done, now u tomato and pear Participant1 Participant2 /BANANA Ok simple then /PEACH Apple, peach Do I start? Adjacency pairs Ok done, now you got to do Peach, You have to for combining lists yours? With peach? pear Hang on, don't think it P1, P2 /APPLE Yeah, do it now Adjacency pairs worked properly Peach /PEACH have to What? Thought you said you're for making selections /PEACH I did. u pear now? co-ordinate done? /PEAR /PEAR No I said you had to I did pear so But I did banana either of us selections No I did that one can do tomato Hang on, which ones did you Yeah, u do it do? /TOMATO Banana, and you? Peach? That don't make sense AAAAAAAH Lets start again?

Adjacency pairs

Participant 2's screen

Participants conventionalize idiosyncratic adjacency pairs.

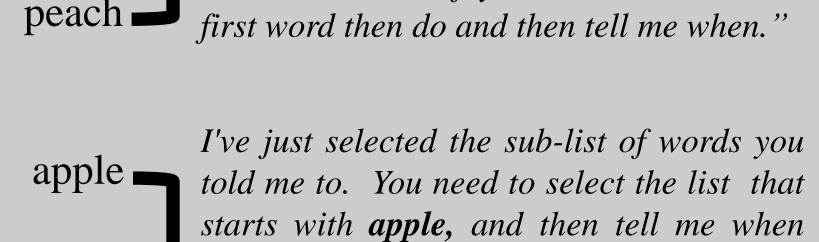
Within a dyad:

Participant 1's screen

The same surface forms acquire different meanings at different sequential locations in the dialogue.

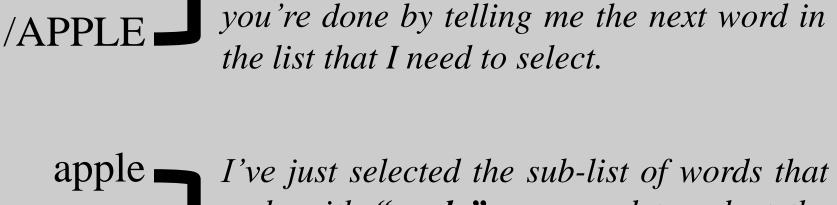
Across dyads:

The same surface forms, at the same sequential location, acquire different meanings in different dyads.



"apple", tell me my list in alphabetical order, and then, if you can start with the first word then do and then tell me when."

"One of the words you need to select is



/NAME **—**

I've just selected the sub-list of words that ends with "apple", you need to select the next word in your list, when you're done tell me what the last word is that you selected.

Conclusion

Globally convergent dialogue is locally divergent: High co-ordination involves *complementarity* of turns.

Question 2: Do they associate these conventions with specific partners?

3 participant version of alphabetical task

/RESTART

• 2 Main participants (as before).

their

Alphabetical sorting task:

(2) Test for the development of conventions

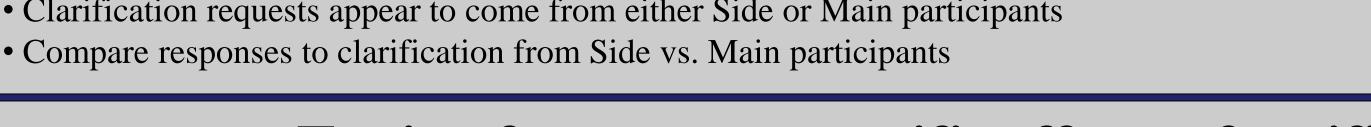
• 1 Side participant who only needs to participate in the first half of dialogue.

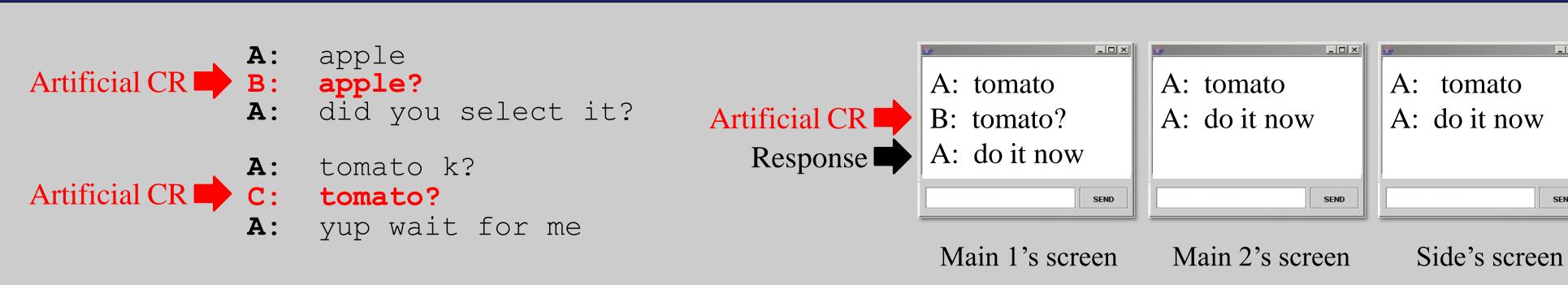
Allow participants to converge and then "break" the conventions

• Break conventions by inserting artificial clarification requests into the dialogue.

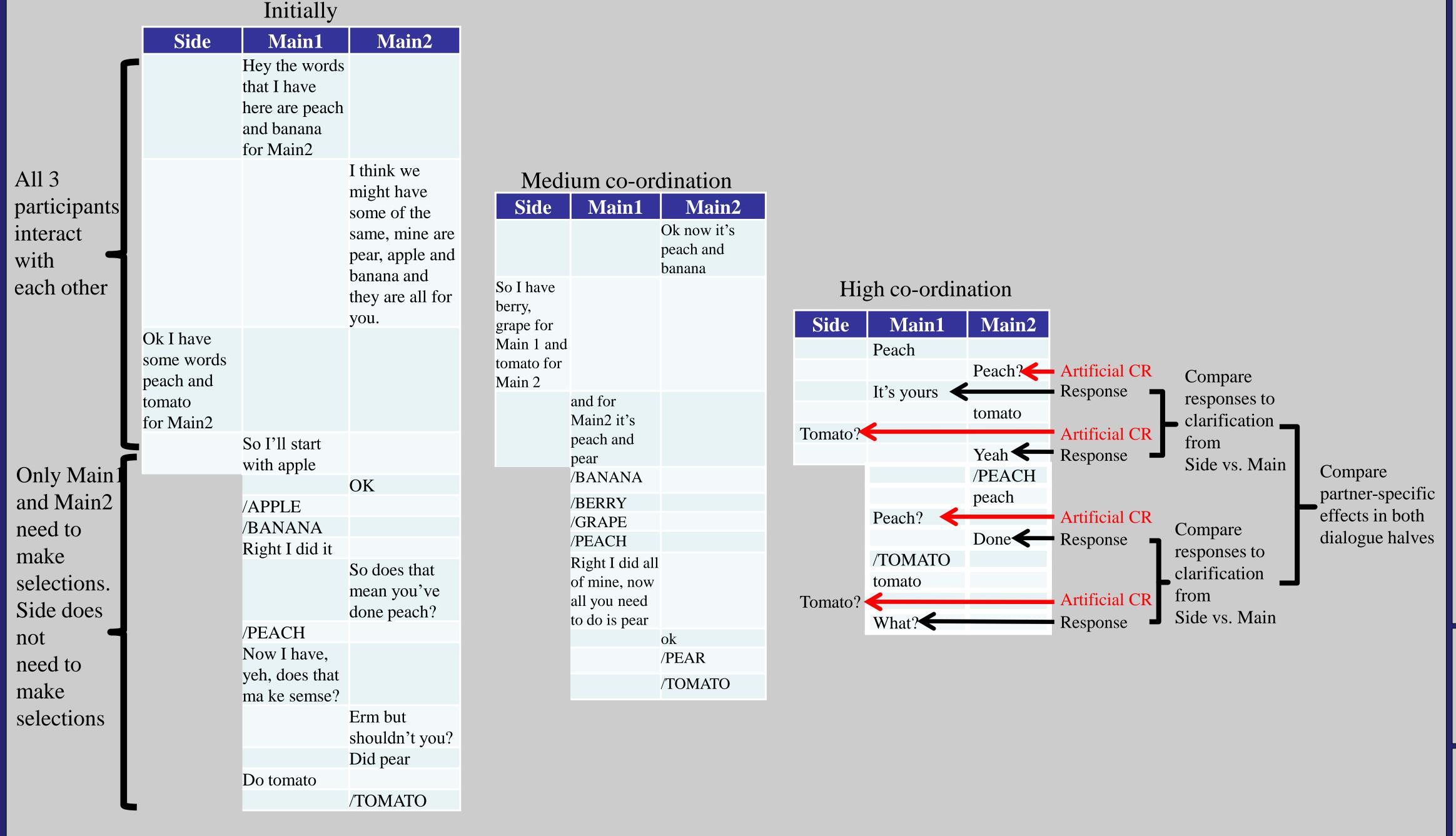
Ok tell me when

• Clarification requests appear to come from either Side or Main participants





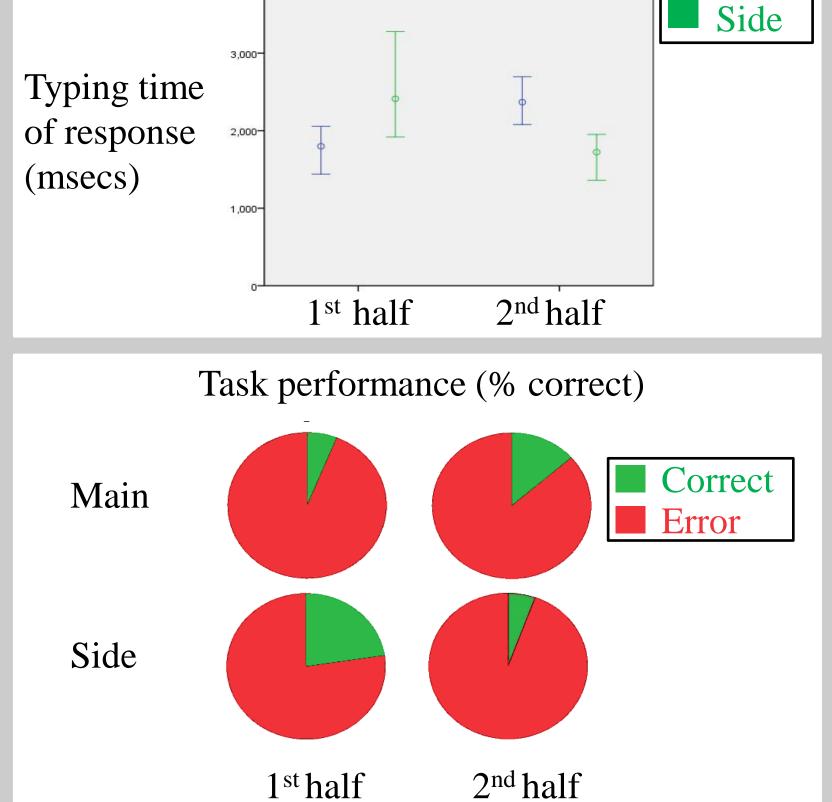
Testing for partner-specific effects of artificial clarification requests



Partner-specific effects

Participants respond differently to different interlocutors breaking the conventions at *different* stages in the dialogue.

Main



Conclusion

Differentiation of partner-specific contexts demonstrates that global *convergence* implies *divergence* of roles.

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