The Time-Course of Competition
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Materials and Methods

1. Planning time

- CVC: measured at peak velocity of the initial gesture
- Planning time is longer for sequences of different items than for same items
- no significant difference between mismatching onset (OD) and mismatching codas (CD)
  - same < OD < CD

2. Execution time

- CVC: the average execution time was 33 ms longer for items with different codas (e.g., cop, cobra), and 23 ms longer for different onsets (cop, cop), than for same items (cop, cop)
- a smaller but significant difference between sequences of same items and items with mismatching onsets
  - same = OD < CD
- no significant difference for CV

Materials

- sequences of two words
- 8 repetitions of each pair
- onset: same, onset different (OD), onset mismatching coda (CD)

Results

1. Planning time

- Release gesture, Onset 1: same = OD < 5 ms, different (OD): 5 out of 7 speakers

2. Execution time

- Relative Target Overlap: adjacent gesture overlap (g = 0.75, overlap: same: OD < CD, 2.5 ms)
- editing gesture overlap: same: OD < CD, 5 ms, speaker-specific

3. Location of lengthening

- temporal planning is not completed when executing the first gestures
- longer lag between different words causes inhibition of the final coda
- no locality effect in planning time, only in execution time

Discussion

1. Role of the coda

- onset mismatch increases RT for CVC words but NOT for CV words
- cannot be explained by Sequential Cuing Model/Editing View

2. Temporal planning of utterances

- temporal planning is not completed when executing the first gestures
- longer lag between different words causes inhibition of the final coda

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