On-line Supplementary Materials

${\bf Learning\ Material-Experiment\ 1}$

| SENTENCE | COMPREHENSION QUESTION |
|--|---|
| Mary lent a car to the old woman | Did Mary lend a car to the old woman? |
| Mary lent a car to the old woman | Did Mary lend the flower to the old woman? |
| Mary lent a car to the old woman | Did Mary give a car to the old woman? |
| Mary lent a car to the old woman | Did Mary give a car to the old man? |
| Mary lent a car to the old woman | Was the car given to the old woman? |
| Mary lent a car to the old woman | The boat was given to the old woman? |
| Mary lent a car to the old woman | Did Mary deliver the car to an old woman? |
| Mary lent a car to the old woman | Did Mary buy the car from an old woman? |
| Mary lent a car to the old woman | Does the old woman have a new car? |
| Mary lent a car to the old woman | Were the flowers lend to Mary? |
| Guy handed the cracked plate to the waitress | Did Guy give the cracked plate to the |
| | waitress? |
| Guy handed the cracked plate to the waitress | Did John give the cracked plate to the |
| | waitress? |
| Guy handed the cracked plate to the waitress | Was cracked the plate that Guy gave to the |
| | waitress? |
| Guy handed the cracked plate to the waitress | Was full of chicken the plate that Guy had? |
| Guy handed the cracked plate to the waitress | Did Guy give something to the waitress? |
| Guy handed the cracked plate to the waitress | Did the waitress give Guy a cracked plate? |
| Mike clenched the two wheels to Mark | Did Mike something to the wheels? |

| Nick made some hot coffee to sue | Was the coffee cold? |
|---|---|
| Nick made some hot coffee to sue | Had Sue a coffee finally? |
| Nick made some hot coffee to sue | Did Sue receive something from her mother? |
| Nick made some hot coffee to sue | Did Nick give something to the girl? |
| Nick made some hot coffee to sue | Was the green tea given to Sue? |
| Nick made some hot coffee to sue | Did Sue receive something from the boy? |
| Nick made some hot coffee to sue | Was Nick making soup? |
| Nick made some hot coffee to sue | Was the coffee hot? |
| Nick made some hot coffee to sue | Did Sue make some hot coffee to Jerry? |
| Bill replied a long letter to Jack | Did Jack receive a letter? |
| Bill replied a long letter to Jack | Did Bill send an e-mail to Larry? |
| Bill replied a long letter to Jack | Did Bill write a long letter? |
| Bill replied a long letter to Jack | Did Jack receive a small post card? |
| Bill replied a long letter to Jack | Was Bill writing to Jack? |
| Bill replied a long letter to Jack | Did Bill and Jack see each other and talk? |
| Bill replied a long letter to Jack | Did Jack send a letter to Bill in the first |
| | place? |
| Jean removed some warm clothes to Charles | Was it cold where Jean and Charles were |
| | together? |
| Jean removed some warm clothes to Charles | Was Charles without his coat? |
| Jean removed some warm clothes to Charles | Was Jean cold? |
| Jane lent Larry an expensive ring | Have Larry a new ring? |
| Jane lent Larry an expensive ring | Did Larry steal a necklace to Jane? |
| Jane lent Larry an expensive ring | Was the ring expensive? |
| Jane lent Larry an expensive ring | Did Jane give a laptop to Mark? |
| Jane lent Larry an expensive ring | Did Larry receive something expensive? |
| Jane lent Larry an expensive ring | Did Larry lend a ring to Jane? |

| Jane lent Larry an expensive ring | Has the ring any value? |
|-------------------------------------|---|
| Jane lent Larry an expensive ring | Did Sue send a gift to Peter? |
| Peter showed the English teacher an | Did Peter a good job with the paper? |
| excellent paper | |
| Peter showed the English teacher an | Did Peter forget to do the paper? |
| excellent paper | |
| Peter showed the English teacher an | Was the paper excellent? |
| excellent paper | |
| Peter showed the English teacher an | Was the paper given to the Spanish teacher? |
| excellent paper | |
| Peter showed the English teacher an | Did Peter give something to the English |
| excellent paper | teacher? |
| Bob gifted Julie a silver box | Did Bob give a golden box to Julie? |
| Bob gifted Julie a silver box | Was a box given to a girl? |
| Bob gifted Julie a silver box | Was the box black? |
| Bob gifted Julie a silver box | Did Julie receive a gift? |
| Sally paid Paul a French meal | Did Sally invite Anthony to a meal? |
| Sally paid Paul a French meal | Did Paul eat a French meal? |

Learning Material – Experiment 2

Incidental context

Dative rule – same as Experiment 1 material

| SENTENCE | COMPREHENSION QUESTION |
|---|-------------------------------------|
| Where the birds' nest is in the tree | Do the birds nest in the garage? |
| Where Eric and Jill are is at home | Is Jill alone in the house? |
| Where Helen is is in New York | Is Helen in New York? |
| Where Jim and Amy are is in the kitchen not in the | Are Jim and Amy in the garden? |
| garden | |
| Where Jane sits is on the sofa not on the stool | Was Jane sitting? |
| Where the children are is on the beach | Are the children at home? |
| Where Paula and Jack surf is at Waikiki | Do Paul and Jack surf at Ala Moana? |
| The milk is in the glass and the coffee is in the jar | Is there any milk? |
| Where Steve and Mark swim is in the pool not in the | Does Steve swim in the pool? |
| ocean | |
| Where Eric and Jill are is at home | Is Eric with Jill? |
| The letter is in the bag and the book is on the chair | Is the book on the chair? |
| Where the people are is in the park not in the church | Are there any people in the church? |
| Where Helen is is in New York | Is Helen in Miami? |
| The milk is in the glass and the coffee is in the jar | Is there any coffee left? |
| Where the children are is on the beach | Are the children in bed? |
| Where the President lives is in Washington not in | Does the President live in Boston? |
| Boston | |
| Where the cheese is is on the plate not in the basket | Is the cheese on the plate? |
| Where the cat sleeps is on the floor | Does the cat sleep on the floor? |
| The girl plays in the park and the boy plays in the | Were the boy and the girl at home? |
| yard | |
| | |

| Where the students meet is in the library not in the | Do the students meet in the library? |
|---|--------------------------------------|
| restaurant | |
| Where the children are is on the beach | Are the children on the beach? |
| John works in the shop and Mary works in the | Is John a doctor? |
| hospital | |
| The milk is in the glass and the coffee is in the jar | Are there any cereals? |
| Where the phone is is in the bedroom | Is there a phone in the bedroom? |
| Where Helen is is in New York | Is Helen in Honolulu? |
| Where Paula and Jack surf is at Waikiki | Does Paula surf at Waikiki? |
| Where the cheese is is on the plate not in the basket | Is the cheese finished? |
| Where Bill eats is at the table | Does Bill eat at the table? |
| Where the people are is in the park not in the church | Are there any people in the park? |
| Where Jane sits is on the sofa not on the stool | Does Jane sit on the sofa? |
| Where the cat sleeps is on the floor | Was the cat sleeping? |
| Where Jane sits is on the sofa not on the stool | Does Jane sit on the stool? |
| Where Eric and Jill are is at home | Is Eric alone in the house? |
| Where the President lives is in Washington not in | Does the President live in |
| Boston | Washington? |
| Where the cat sleeps is on the floor | Was the cat eating? |
| Where the phone is is in the bedroom | Is there a phone? |
| The letter is in the bag and the book is on the chair | Is the letter on the chair? |
| The letter is in the bag and the book is on the chair | Is the book on the bag? |
| Where Bill eats is at the table | Does Bill eat on the ground? |
| John works in the shop and Mary works in the | Is Mary a scientist? |
| hospital | |
| Where Jim and Amy are is in the kitchen not in the | Are Jim and Amy cooking? |
| garden | |
| | |

| Where the President lives is in Washington not in | Does the President live in New |
|---|------------------------------------|
| Boston | York? |
| Where the phone is is in the bedroom | Is there a phone missing? |
| Where Sue is is in the car not in the boat | Is Sue in the boat? |
| Where Sue is is in the car not in the boat | Is Sue swimming? |
| The girl plays in the park and the boy plays in the | Were the boy and the girl playing? |
| yard | |
| Where Sue is is in the car not in the boat | Is Sue in the car? |
| Where Steve and Mark swim is in the pool not in the | Does Mark swim in the pool? |
| ocean | |
| Where Bill eats is at the table | Was Bill running? |
| The girl plays in the park and the boy plays in the | Were the boy and the girl playing |
| yard | together? |
| Where the cheese is is on the plate not in the basket | Is the cheese in the basket? |
| Where the birds' nest is in the tree | Do the birds nest in the yard? |
| Where Jim and Amy are is in the kitchen not in the | Are Jim and Amy swimming? |
| garden | |
| Where the birds' nest is in the tree | Are not the birds nesting? |
| John works in the shop and Mary works in the | Can Mary be a doctor? |
| hospital | |
| Where the students meet is in the library not in the | Do the students meet in the |
| restaurant | restaurant? |
| Where Steve and Mark swim is in the pool not in the | Does Mark swim in the ocean? |
| ocean | |
| Where the students meet is in the library not in the | Do the students hate each other? |
| restaurant | |
| Where the people are is in the park not in the church | Are there any people outside? |

| Where Paula and Jack surf is at Waikiki | Does Paula surf alone at Ala Moana? |
|---|-------------------------------------|
| | |

Incidental context

Dative rule

| SENTENCE | METALINGUISTIC QUESTION |
|---|-------------------------------------|
| Sally pays Paul a French meal | Does the sentence use the to-object |
| | form? |
| Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Bill replies with a long letter to Jack | Does the sentence use the to-object |
| | form? |
| Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Bill replies with a long letter to Jack | Does the sentence use the to-object |
| | form? |

| Nick prepares some hot coffee to Sue Does the sentence use the to-object form? Bob gives Julie a silver box Does the sentence use the to-object form? Mike holds the two wheels to Mark Does the sentence use the to-object form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object form? | Mary lends a car to the old woman | Does the sentence use the to-object |
|---|---|-------------------------------------|
| form? Bob gives Julie a silver box Does the sentence use the to-object form? Mike holds the two wheels to Mark Does the sentence use the to-object form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Bob gives Julie a silver box Does the sentence use the to-object form? Mike holds the two wheels to Mark Does the sentence use the to-object form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| form? Mike holds the two wheels to Mark Does the sentence use the to-object form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Mike holds the two wheels to Mark Does the sentence use the to-object form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | Bob gives Julie a silver box | Does the sentence use the to-object |
| form? Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Mary lends a car to the old woman Does the sentence use the to-object form? Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | Mike holds the two wheels to Mark | Does the sentence use the to-object |
| Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Sally pays Paul a French meal Does the sentence use the to-object form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | Mary lends a car to the old woman | Does the sentence use the to-object |
| form? Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Jane lends Larry an expensive ring Does the sentence use the to-object form? Bill replies with a long letter to Jack Does the sentence use the to-object | Sally pays Paul a French meal | Does the sentence use the to-object |
| form? Bill replies with a long letter to Jack Does the sentence use the to-object | | form? |
| Bill replies with a long letter to Jack Does the sentence use the to-object | Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | | form? |
| form? | Bill replies with a long letter to Jack | Does the sentence use the to-object |
| Tom: | | form? |
| Mary lends a car to the old woman Does the sentence use the to-object | Mary lends a car to the old woman | Does the sentence use the to-object |
| form? | | form? |
| Jean offers some warm clothes to Charles Does the sentence use the to-object | Jean offers some warm clothes to Charles | Does the sentence use the to-object |
| form? | | form? |
| Jane lends Larry an expensive ring Does the sentence use the to-object | Jane lends Larry an expensive ring | Does the sentence use the to-object |
| form? | | form? |
| Guy hands the cracked plate to the waitress Does the sentence use the to-object | Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| form? | | form? |
| Bob gives Julie a silver box Does the sentence use the to-object | Bob gives Julie a silver box | Does the sentence use the to-object |
| form? | | form? |

| Bill replies with a long letter to Jack | Does the sentence use the to-object |
|--|-------------------------------------|
| | form? |
| Jean offers some warm clothes to Charles | Does the sentence use the to-object |
| | form? |
| Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Bill replies with a long letter to Jack | Does the sentence use the to-object |
| | form? |
| Jean offers some warm clothes to Charles | Does the sentence use the to-object |
| | form? |
| Peter shows the English Teacher an excellent | Does the sentence use the to-object |
| paper | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| Bill replies with a long letter to Jack | Does the sentence use the to-object |
| | form? |
| Peter shows the English Teacher an excellent | Does the sentence use the to-object |
| paper | form? |
| Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| - | 1 |

| Bill replies with a long letter to Jack | Does the sentence use the to-object |
|--|-------------------------------------|
| | form? |
| Peter shows the English Teacher an excellent | Does the sentence use the to-object |
| paper | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Peter shows the English Teacher an excellent | Does the sentence use the to-object |
| paper | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Peter shows the English Teacher an excellent | Does the sentence use the to-object |
| paper | form? |
| Bob gives Julie a silver box | Does the sentence use the to-object |
| | form? |

| Mary lends a car to the old woman | Does the sentence use the to-object |
|--|---|
| | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| Jane lends Larry an expensive ring | Does the sentence use the to-object |
| | form? |
| Mary lends a car to the old woman | Does the sentence use the to-object |
| | form? |
| Bob gives Julie a silver box | Does the sentence use the to-object |
| | form? |
| Nick prepares some hot coffee to Sue | Does the sentence use the to-object |
| | form? |
| Guy hands the cracked plate to the waitress | Does the sentence use the to-object |
| | form? |
| John works in the shop and Mary works in the | Is a contrasting location introduced by |
| hospital | "not" used? |
| Where the students meet is in the library not in the | Is a contrasting location introduced by |
| restaurant | "not" used? |
| Where Steve and Mark swim is in the pool not in | Is a contrasting location introduced by |
| the ocean | "not" used? |
| Where the students meet is in the library not in the | Is a contrasting location introduced by |
| restaurant | "not" used? |
| Where the people are is in the park not in the | Is a contrasting location introduced by |
| church | "not" used? |
| Where Paula and Jack surf is at Waikiki | Is a contrasting location introduced by |
| | "not" used? |
| <u> </u> | |

Pseudocleft rule

| SENTENCE | METALINGUISTIC QUESTION |
|---|---|
| Where the birds' nest is in the tree | Is a contrasting location introduced by |
| | "not" used? |
| Where Eric and Jill are is at home | Is a contrasting location introduced by |
| | "not" used? |
| Where Helen is is in New York | Is a contrasting location introduced by |
| | "not" used? |
| Where Jim and Amy are is in the kitchen not in | Is a contrasting location introduced by |
| the garden | "not" used? |
| Where Jane sits is on the sofa not on the stool | Is a contrasting location introduced by |
| | "not" used? |
| Where the children are is on the beach | Is a contrasting location introduced by |
| | "not" used? |
| Where Paula and Jack surf is at Waikiki | Is a contrasting location introduced by |
| | "not" used? |
| The milk is in the glass and the coffee is in the jar | Is a contrasting location introduced by |
| | "not" used? |
| Where Steve and Mark swim is in the pool not in | Is a contrasting location introduced by |
| the ocean | "not" used? |

| Where Eric and Jill are is at home | Is a contrasting location introduced by |
|---|---|
| | "not" used? |
| The letter is in the bag and the book is on the | Is a contrasting location introduced by |
| chair | "not" used? |
| Where the people are is in the park not in the | Is a contrasting location introduced by |
| church | "not" used? |
| Where Helen is is in New York | Is a contrasting location introduced by |
| | "not" used? |
| The milk is in the glass and the coffee is in the jar | Is a contrasting location introduced by |
| | "not" used? |
| Where the children are is on the beach | Is a contrasting location introduced by |
| | "not" used? |
| Where the President lives is in Washington not in | Is a contrasting location introduced by |
| Boston | "not" used? |
| Where the cheese is is on the plate not in the | Is a contrasting location introduced by |
| basket | "not" used? |
| Where the cat sleeps is on the floor | Is a contrasting location introduced by |
| | "not" used? |
| The girl plays in the park and the boy plays in the | Is a contrasting location introduced by |
| yard | "not" used? |
| Where the students meet is in the library not in the | Is a contrasting location introduced by |
| restaurant | "not" used? |
| Where the children are is on the beach | Is a contrasting location introduced by |
| | "not" used? |
| John works in the shop and Mary works in the | Is a contrasting location introduced by |
| hospital | "not" used? |

| The milk is in the glass and the coffee is in the jar | Is a contrasting location introduced by |
|---|---|
| | "not" used? |
| Where the phone is is in the bedroom | Is a contrasting location introduced by |
| | "not" used? |
| Where Helen is is in New York | Is a contrasting location introduced by |
| | "not" used? |
| Where Paula and Jack surf is at Waikiki | Is a contrasting location introduced by |
| | "not" used? |
| Where the cheese is is on the plate not in the | Is a contrasting location introduced by |
| basket | "not" used? |
| Where Bill eats is at the table | Is a contrasting location introduced by |
| | "not" used? |
| Where the people are is in the park not in the | Is a contrasting location introduced by |
| church | "not" used? |
| Where Jane sits is on the sofa not on the stool | Is a contrasting location introduced by |
| | "not" used? |
| Where the cat sleeps is on the floor | Is a contrasting location introduced by |
| | "not" used? |
| Where Jane sits is on the sofa not on the stool | Is a contrasting location introduced by |
| | "not" used? |
| Where Eric and Jill are is at home | Is a contrasting location introduced by |
| | "not" used? |
| Where the President lives is in Washington not in | Is a contrasting location introduced by |
| Boston | "not" used? |
| Where the cat sleeps is on the floor | Is a contrasting location introduced by |
| | "not" used? |

| Where the phone is is in the bedroom | Is a contrasting location introduced by |
|---|---|
| | "not" used? |
| The letter is in the bag and the book is on the | Is a contrasting location introduced by |
| chair | "not" used? |
| The letter is in the bag and the book is on the | Is a contrasting location introduced by |
| chair | "not" used? |
| Where Bill eats is at the table | Is a contrasting location introduced by |
| | "not" used? |
| John works in the shop and Mary works in the | Is a contrasting location introduced by |
| hospital | "not" used? |
| Where Jim and Amy are is in the kitchen not in | Is a contrasting location introduced by |
| the garden | "not" used? |
| Where the President lives is in Washington not in | Is a contrasting location introduced by |
| Boston | "not" used? |
| Where the phone is is in the bedroom | Is a contrasting location introduced by |
| | "not" used? |
| Where Sue is is in the car not in the boat | Is a contrasting location introduced by |
| | "not" used? |
| Where Sue is is in the car not in the boat | Is a contrasting location introduced by |
| | "not" used? |
| The girl plays in the park and the boy plays in the | Is a contrasting location introduced by |
| yard | "not" used? |
| Where Sue is is in the car not in the boat | Is a contrasting location introduced by |
| | "not" used? |
| Where Steve and Mark swim is in the pool not in | Is a contrasting location introduced by |
| the ocean | "not" used? |

| Where Bill eats is at the table | Is a contrasting location introduced by |
|--|---|
| | "not" used? |
| The girl plays in the park and the boy plays in the | Is a contrasting location introduced by |
| yard | "not" used? |
| Where the cheese is is on the plate not in the | Is a contrasting location introduced by |
| basket | "not" used? |
| Where the birds' nest is in the tree | Is a contrasting location introduced by |
| | "not" used? |
| Where Jim and Amy are is in the kitchen not in | Is a contrasting location introduced by |
| the garden | "not" used? |
| Where the birds' nest is in the tree | Is a contrasting location introduced by |
| | "not" used? |
| John works in the shop and Mary works in the | Is a contrasting location introduced by |
| hospital | "not" used? |
| Where the students meet is in the library not in the | Is a contrasting location introduced by |
| restaurant | "not" used? |
| Where Steve and Mark swim is in the pool not in | Is a contrasting location introduced by |
| the ocean | "not" used? |
| Where the students meet is in the library not in the | Is a contrasting location introduced by |
| restaurant | "not" used? |
| Where the people are is in the park not in the | Is a contrasting location introduced by |
| church | "not" used? |
| Where Paula and Jack surf is at Waikiki | Is a contrasting location introduced by |
| | "not" used? |

| June sends Francis a diamond necklace grammatical Steve steals a large cake to Amy grammatical Jay removes the Italian coins to Phil grammatical Wes gives Stan a huge bottle grammatical May hands the empty bucket to the farmer grammatical Margot donates some new books to the library grammatical Sadie gifts the old man a fur hat grammatical Ben gives Betty a velvet evening gown grammatical Frank provides some green tea to Jill grammatical George prepares John the dinner Ungrammatical Ann removes Suzie some money Ungrammatical Bruce prepares the crying baby a soapy bath Ungrammatical Loiuse creates the girl a nice thing Ungrammatical Sandy fabricates Patrick some Swiss cheese Ungrammatical Dave promotes Diane a relaxing holiday Ungrammatical Tara invites the waiter a drink Ungrammatical Geoff prepares Doug a black tea Ungrammatical Carol releases Harry a running shoe Ungrammatical Tom ravages the policeman his gun Ungrammatical Peter shows the English teacher an excellent paper studied Guy hands the cracked plate to the waitress studied Mary lends a car to the old woman studied | SENTENCE | CONDITION |
|---|--|---------------|
| Jay removes the Italian coins to Phil grammatical Wes gives Stan a huge bottle grammatical May hands the empty bucket to the farmer grammatical Margot donates some new books to the library grammatical Sadie gifts the old man a fur hat grammatical Ben gives Betty a velvet evening gown grammatical Frank provides some green tea to Jill grammatical Carl lends a bike to the busy girl grammatical George prepares John the dinner Ungrammatical Ann removes Suzie some money Ungrammatical Bruce prepares the crying baby a soapy bath Ungrammatical Loiuse creates the girl a nice thing Ungrammatical Sandy fabricates Patrick some Swiss cheese Ungrammatical Dave promotes Diane a relaxing holiday Ungrammatical Tara invites the waiter a drink Ungrammatical Geoff prepares Doug a black tea Ungrammatical Carol releases Harry a running shoe Ungrammatical Tom ravages the policeman his gun Ungrammatical Peter shows the English teacher an excellent paper studied Guy hands the cracked plate to the waitress studied | June sends Francis a diamond necklace | grammatical |
| Wes gives Stan a huge bottle grammatical May hands the empty bucket to the farmer grammatical Margot donates some new books to the library grammatical Sadie gifts the old man a fur hat grammatical Ben gives Betty a velvet evening gown grammatical Frank provides some green tea to Jill grammatical George prepares John the dinner Ungrammatical George prepares John the dinner Ungrammatical Ann removes Suzie some money Ungrammatical Bruce prepares the crying baby a soapy bath Ungrammatical Loiuse creates the girl a nice thing Ungrammatical Sandy fabricates Patrick some Swiss cheese Ungrammatical Dave promotes Diane a relaxing holiday Ungrammatical Tara invites the waiter a drink Ungrammatical Geoff prepares Doug a black tea Ungrammatical Carol releases Harry a running shoe Ungrammatical Tom ravages the policeman his gun Ungrammatical Peter shows the English teacher an excellent paper studied Guy hands the cracked plate to the waitress | Steve steals a large cake to Amy | grammatical |
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| Guy hands the cracked plate to the waitress studied | Tom ravages the policeman his gun | Ungrammatical |
| 1 | Peter shows the English teacher an excellent paper | studied |
| Mary lends a car to the old woman studied | Guy hands the cracked plate to the waitress | studied |
| | Mary lends a car to the old woman | studied |

| Mike holds the two wheels to Mark | studied |
|--|---------|
| Bill replies a long letter to Jack | studied |
| Nick makes some hot coffee to Sue | studied |
| Jane lends Larry an expensive ring | studied |
| Bob gifts Julie a silver box | studied |
| Jean offers some warm clothes to Charles | studied |
| Sally pays Paul a French meal | studied |

Pseudocleft Rule

| SENTENCE | CONDITION |
|---|---------------|
| The pen is in the box and the pencil is in the drawer | grammatical |
| Lisa reads in the bedroom and Nick reads in the living room | grammatical |
| Where L.A. is is in California | grammatical |
| Where the car is is in the driveway not on the road | grammatical |
| Where the apples are is in the bowl | grammatical |
| Where Ann and Ian are is at the movies not at the zoo | grammatical |
| Where Judy teaches is at the university | grammatical |
| Where Peter waits is by the stairs not in the café | grammatical |
| Where my parents vacation is in Europe | grammatical |
| Where Maria and Joe relax is by the pool not on the beach | grammatical |
| Where is Bill is in the country not in the city | Ungrammatical |
| Where cooks Jim is in the kitchen not in the bathroom | Ungrammatical |
| Where Carl writes are at a desk not on the floor | Ungrammatical |

| Where the soldiers fight are in Europe not in Hawaii | Ungrammatical |
|---|---------------|
| Where the bird is was in the sky not in the sea | Ungrammatical |
| Where the plane lands was in the airport not at the dock | Ungrammatical |
| What the King lives is in a palace not in an apartment | Ungrammatical |
| What the dog is is in the yard not in the house | Ungrammatical |
| Where the horse stands is in the field in the barn | Ungrammatical |
| Where Mark works is in America in Japan | Ungrammatical |
| The girl plays in the park and the boy plays in the yard | studied |
| John works in the shop and Mary works in the hospital | studied |
| Where Helen is is in New York | studied |
| Where Sue is is in the car not in the boat | studied |
| Where the children are is on the beach | studied |
| Where Jim and Amy are is in the kitchen not in the garden | studied |
| Where the cat sleeps is on the floor | studied |
| Where the President lives is in Washington not in Boston | studied |
| Where the birds' nest is in the tree | studied |
| Where Steve and Mark swim is in the pool not in the ocean | studied |
| | |

Analysis without the ungrammatical sentences in natural English in the dative rule

The sentences removed from analysis were "Steve steals a large cake to Amy" and "Jay removes the Italian coins to Phil" No statistically differences were found in the analysis without these sentences.

Experiment 1

Results from the ANOVA showed a main effect of condition, F (1,73) = 6.75, p = .01, μ = .02, Participants on the intentional condition were significantly better (M = 1.10; SD = .1) than those on the incidental condition (M = 0.73; SD = .1). However, neither the main effect of time, F (1,73) = .61, p = .44, μ = .002, nor the interaction between condition and time, F (1,73) = .15, p = .69, μ = .0005, were significant.

For the role of EFs during learning, we also conducted Multiple Linear Regression analyses. As in the reported data, the analyses indicated no significant main effects of BSI, for the incidental condition, F(1, 72) = -.275, p = .78, adjusted R2 = -.01. However, for the intentional condition, BSI was a significant predictor of language learning, F(1, 70) = 3.658, p = .039, adjusted R2 = .04.

Experiment 2

Results from the ANOVA indicated a significant effect of condition, F(1, 147) = 22.43, p < .001, $\mu = .1$ (intentional better than incidental), and rule, F(1, 85) = 75.63, p < .001, $\mu = .4$ (the *dative rule* showing better performance than the *pseudocleft rule*). The interaction of condition x rule was also significant, F(1, 133) = 28.32, p < .001, $\mu = .1$, this interaction indicated that participants in the intentional condition showed that the dative rule had significantly better scores (M = 2.13; SD = .13) than the pseducleft rule (M = .54; SD = .15) (1,87) = 7.55, p < .001. However, the higher order interaction of

condition x rule x time just reached a tendency toward significance, F (4, 340) = 1.79, p = .1, μ = .009.

For the role of EFs during learning, we also conducted Multiple Linear Regression analyses. As in the reported data of the dative rule, the analyses indicated no significant main effects of BSI, for the incidental condition, F(1, 106) = .98, p = .32, adjusted R2 = -.0001. Nor for the intentional condition, F(1, 145) = .52, p = .47, adjusted R2 = -.003.

Results from Experiment 1 with missing values

These analyses indicated no significant main effects of BSI, for the incidental condition, F(1, 64) = .0001, p = .99, adjusted R2 = .01. However, for the intentional condition, BSI was a significant predictor of language learning, F(1, 66) = 4.21, p = .04, adjusted R2 = .04; $\beta = 1.58$, t = 2.09, p = .04.